A Catalyst for Innovation in the Communications Industry

For Network Service Providers
Open telecom hardware and software components (both IP and TDM): Field-proven media and signaling gateways, high-density multimedia processing solutions, IP media servers/MRFs, signaling protocol software at multiple levels of integration

For Enterprise Communication Networks
Innovative IP, transitional hybrid, and flexible TDM products: Robust media processing with flexible features sets and wide choice of gateways with proven interoperability
Resellers of computer solutions, Systems Integrators, VARs, Computer shops, Call shops, Telephone systems resellers, Internet Service Providers, Carriers, ... many of you who are now reading this product Guide have already chosen our solutions, purchased our products, used our support. It seems that you have appreciated the quality of our services, as a high number of you are already clients of ours, purchasing regularly through our sales offices. Let me thank you for your loyalty. To all the others who haven’t got yet the opportunity to work with us, I would like to welcome you in advance!

The secret of our success has been the building of closer relationships between the different players nowadays involved in complex projects and in creating synergies between integrators, software publishers and operators. And Sintel is at the very heart of these synergies, associating our own skills and know-how with the best technologies available in the market so as to help you provide your customers with the best possible systems of communication.

For 2008, the key levers to continuing growth will be:
- Security and quality of service: gateways are becoming more and more intelligent and will soon integrate communications management and control as well as ensuring reliability of transmission;
- Indication of presence: interconnection of PABXs, presence management with systems such as Microsoft Office Communications Server, greater integration thanks to mobile terminals;
- Video: 3G, mobile TV and other video services will require media servers and development platforms capable of supporting these complex technologies.

So don’t hesitate! If you need a solution, a price, pre-sales support or if you only need advice, I invite you to call us!

Keep one step ahead of the market with Sintel, your day to day partner for ICT solutions and technologies wherever you are, in Europe!

Kind regards

Peter Hammett
General Manager
Has your legacy IVR system reached the end of the line?

Has your legacy IVR system become too expensive to maintain or upgrade? Your business needs have evolved?

Now is the time to take action - Envox Worldwide provides powerful business solutions that:

- Deliver outstanding price/performance
- Enable a smooth migration path to new standards and emerging technologies
- Seamless interoperability with your existing IT and Telecoms infrastructure

Take control of your critical IVR system! Choose Envox!

**Our Products**

- Media Processing .......... pages 6 to 7
- Signalling Solutions ........ pages 8 to 11
- VoIP, PSTN, GSM Gateways .... pages 12 to 21
- Voice & Fax Solutions ......... pages 22 to 31
- VoIP Security ............... pages 32 to 33
- Network Security ............ pages 34 to 37
- Wireless Lan ............... pages 38 to 39

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Sintel, your day to day Partner wherever you are in Europe

Sintel’s success is the reflection of the competence of its Teams, the quality of its Products and Services and the reality of the Value it adds. A main European player in the market for Telecoms and Security, and an Expert in the field of Converged Communications, the Sintel Group currently has offices in France, Italy and Turkey. With a total staff of almost 50 employees covering, from these three locations, the whole of southern Europe, Sintel is in a position to offer its Partners and Customers both extensive assistance and the benefit of proximity. Sintel’s success and its strength lie in particular in its ability to guarantee, throughout the region it covers, consistent Quality in the Products and Services it offers.

Open an account

You are a reseller

We offer you two options:

1. Open a permanent account
   Contact our sales department at sales@sintel.com or download the account creation form from our website at www.sintel.com and return it by fax (choose our nearest office on the opposite page) or by email.

   Your account will be opened as soon as we have received and approved the following documents:
   ✔ The ACR Form (Account Creation Request)
   ✔ Our T&Cs (Terms and Conditions) accepted on your behalf (signature and business stamp)
   ✔ Your bank details
   ✔ A certificate of registration of your company less than 3 months old

2. Open an occasional account
   In this case you only have to send us:
   ✔ Your order on your company’s letter-head (including your address, phone number and company registration number)
   ✔ A cheque or a credit card authorisation (the form is available from our sales department)

If you are an End User

Our pre-sell staff are at your disposal on info@sintel.com to advise you and will gladly provide you with the list of our closest resellers to your site. You can also consult our website at www.sintel.com.

How to order

You can send us your order:

By fax:
- to our Istanbul office +90 212 213 12 02
- to our Paris office +33 1 30 85 44 45
- to our Rome office +39 06 474 22 71

by e-mail:
- to sales@sintel.com or to your current sales contact

Your order will be acknowledged as soon as received and the planned delivery date will be confirmed. Products in stock and ordered before 1pm local time will be delivered the following day before 1pm, in all major cities of the EEC.

Any claim should be notified to us by fax or email providing the following details:
   ✔ Your order number
   ✔ The product part number
   ✔ The serial or license number
   ✔ A description of the problem
   ✔ Contact details for your person dealing with the issue

We are at your disposal between 9am and 6.30pm local time to advise you and respond to your requests as rapidly as possible.
Dialogic® Host Media Processing (HMP)

Media Processing software

HMP is capable of managing Media Processing tasks on standard application servers (and using their processors directly) without requiring additional add-on hardware. Dialogic HMP provides the media services required to develop new generation IP media servers: the software is flexible, upgradable and very competitively priced. All types of media are available: voice (Play, Record, DTMF), CSP for ASR and TTS, T.38 fax, conferencing, video, outbound and call progress analysis. The software is available in both Windows and Linux versions. To connect HMP-based applications to a traditional telephone network, use can be made of VoIP gateways at low densities or of Dialogic’s DNI boards available for 1, 2, 4 and 8 PRI.

New: version 3.1 of HMP for Linux includes support for 3G video using the 3G-324M protocol and H.263 and AMR-NB codecs. It is thus possible to develop 3G-324M mobile video applications and gateways compatible with the AMR narrow band codecs and to propose services such as unified video messaging, interactive video-vocal servers and end-to-end coupling of video communications whether using SIP or 3G...

Applications
- New automatic switchboard applications
- Interactive voice servers
- Voice messaging
- Unified Messaging
- Conferencing
- V-portals

Dialogic® MultiMedia Platform (MMP)

For operator applications using IP, PSTN, 3G or IMS networks

Intended for high density solutions deployed by telecoms operators, MMP for AdvancedTCA is a very powerful platform which can be used to develop new generation multimedia applications with IP and PSTN interfaces, within fixed or mobile phone environments and using standard session and media control protocols. MMP is compatible with Red Hat Linux Enterprise 4 and SUSE Linux Enterprise Server 9 operating systems and can support (depending on the media) between 60 and 500 communication ports per MMP board thus enabling the configuration of servers with several thousand ports.

New: to encourage the use of MMP, Dialogic now offers its MMP Development Kit including the complete hardware and software platform, thus enabling immediate operability and rapid development, as well as a development training session.

Applications
- Voice and Video messaging
- Video portals
- Video ring back tone
- Unified Messaging
- Video conferencing

Advanced functions
- 3G-324M interface
- MPEG4, H.263 coder-decoders
- Voice and video transcoding and transrating
- Real-time insertion of texts and images within the video flow
- Image re-dimensioning

Dialogic

MultiMedia Processing (MMP)

Description | Part number | List Price €
--- | --- | ---
HMP for Windows
HMP Windows 3.0 RTP (G.711) resource HMP (DMIPS10R30W) | 886-201 | 14.00
HMP Windows 3.0 Enhanced RTP resource (DMIPS10E30W) | 886-209 | 48.00
HMP Windows 3.0 IP Call control voice resource (DMIPS10I30W) | 886-205 | 21.00
HMP Windows 3.0 Voice resource (DMIPS10V30W) | 886-197 | 12.00
HMP Windows 3.0 Fax resource (DMIPS10F30W) | 886-207 | 90.00
HMP Windows 3.0 Speech resource (DMIPS10S30W) | 886-200 | 24.00
HMP Windows 3.0 Conferencing resource (DMIPS10C30W) | 886-211 | 48.00
HMP Windows 3.0 Multimedia resource (DMIPS10M30W) | 886-203 | 80.00
HMP for Linux
HMP Linux 3.1 RTP streaming resource (DMIPS1OINS31L) | G01-012 | 8.00
HMP Linux 3.1 G.729, G.723 coders (DMIPS10EC31L) | G01-022 | 42.00
HMP Linux 3.1 G.711, G.726 coders (DMIPS10BR31L) | G01-010 | 7.00
HMP Linux 3.1 AMR-NB coders (DMIPS10AMR31L) | G01-026 | 12.00
HMP Linux 3.1 IP Call Control (DMIPS10I31L) | G01-017 | 19.00
HMP Linux 3.1 3G-324M coders (DMIPS10G31L) | G01-019 | 104.00
HMP Linux 3.1 Read/Record in active mode (DMIPS10NP31L) | G01-014 | 7.00
HMP Linux 3.1 conference resource (DMIPS10C31L) | G01-024 | 42.00
HMP Linux 3.1 Speech Processing (DMIPS10S31L) | G01-007 | 22.00
HMP Linux 3.1 Voice resource (DMIPS10V31L) | G01-008 | 11.00
HMP Linux 3.1 Fax Termination (DMIPS10F31L) | G01-021 | 78.00
HMP Linux 3.1 Multimedia (DMIPS10M31L) | G01-015 | 70.00
Line interfaces boards for MMP
Line interface board for HMP 1 E1/T2 (DN1300UTPEHMPW) | 884-147 | 2 326.00
Line interface board for HMP 2 E1/T2 (DN1600UTPEHMPW) | 884-146 | 4 586.00
Line interface board for HMP 4 E1/T2 (DN1200UTPEHMPW) | 884-148 | 6 093.00
Line interface board for HMP 8 E1/T2 (DN2410UTPEHMPQ) | 306-328 | 8 278.00

MultiMedia Processing (MMP)

MMP Development Kit
MMP Development Kit for ATCA with 2-slot chassis | 306-334 | 22 440.00
MMP Development Kit for ATCA with 5-slot chassis | 306-333 | 27 006.00
MultiMedia Blades
250 ports AdvancedTCA MultiMedia blade, OS and Preinstalled Software Red Hat Enterprise Linux ES (MMP250RE01AQ) | 306-231 | 14 173.00
500 ports AdvancedTCA MultiMedia blade, OS and Preinstalled Software Red Hat Enterprise Linux ES (MMP500RE01AQ) | 306-330 | 16 700.00
AdvancedTCA RTM for connecting to PSTN (16 T-1/E-1) or an external Ethernet switch (MMP496RTMTE01AQ) | 886-851 | 2 808.00
MultiMedia software runtime
250 ports of MultiMedia with IP and 3G-324M interfaces (MMSL250HB20) | G01-028 | 27 387.39
180 ports of MultiMedia including 20 ports of advanced video over IP and 3G-324M interfaces (MMSL180HBA20) | G02-028 | 27 387.39
60 ports of advanced video over IP and 3G-324M interfaces (MMSL60HAC20) | G03-028 | 34 234.23
60 ports of advanced video with video conferencing over IP and 3G-324M interfaces (MMSL60HAC20) | G04-028 | 38 342.34
60 ports of advanced video with video conferencing over IP (MMSL60AC20) | G05-028 | 34 234.23

Sintel Services are available on this product – see page 41, 42 & 43.
The components of Signalling System 7 (SS7)

Connect to the heart of the Operators’ Network

Signalling System 7 (SS7) is a group of telephone signalling protocols used at the heart of the telecom network of telephony operators, hosters and other service-providers to establish and terminate calls, route SMS messages and exchange data (e.g. for applications like localisation, roaming, billing etc.). Dialogic’s SS7 range enables connection to the heart of this network using their own SIGTRAN/SS7 stack for intelligent traffic routing thus making it possible to process a very large volume of calls (SIGTRAN designates the IP transport of SS7 signalling). Dialogic’s signalling protocols make exclusive use of SigDia technology (Signalling Distributed Architecture) and SigDia is an integral part of the complete range of Dialogic’s SIGTRAN and SS7 protocols, of its range of SS7 high and low density boards and of its servers and signalling gateways.

SS7 boards

- PCI low density boards: 4 SS7 links on 2 to 4 E1s
- PCI high density boards: up to 64 SS7 links or 2 high speed links on 4 E1s
- cPCI high density boards: 8 to 128 SS7 links or 1 to 4 high speed links on 8 to 16 E1s
- AMC/ATCA high density boards: up to 124 SS7 links on 4 E1s

Available protocols (for cards, servers and SS7 Gateways)

- SIGTRAN (M3UA, M2PA, SUA)
- SS7 (MTP3, ISUP, BICC, TUP, SCCP, TCAP, MAP, INAP, CAMEL, IS41)

SS7G21 and SS7G22

Signalling Servers and Gateways

Dialogic’s SS7G21 and SS7G22 signalling servers, with their associated SIU (Signalling Interface Unit) software, are complete units providing connectivity for all distributed telecom applications. They can be used to free up the application servers used to process signalling and they can cope with a large range of protocols (including local variants) thus facilitating worldwide deployment of all types of applications. These servers are ideal for any solution requiring high speed traffic signalling and are compatible with the following protocols: MTP SS7 and User Parts (ISUP, SCCP, TCAP, MAP, IS41 / IS826, INAP / CAMEL), BICC and SIGTRAN M2PA and M3UA.

Available versions

- Low density SIU: up to 12 SS7 links on 12 E1s (3 boards)
- High density SIU: up to 128 SS7 links or 6 high speed links on 12 E1s (3 boards)
- High density IP SIGTRAN SIU: 6 HSL equivalent links or 64 LSL equivalent links, no TDM interface

With the SGW (SIGTRAN Signaling Gateway), software option, the SS7G21 and SS7G22 servers can provide an interface between IP (SIGTRAN M3UA and M2UA) and SS7 (TDM) networks and are thus key components of the service networks and platforms of the next generation.

With the DSC (Digital Signal Conversion), the SS7G21 and SS7G22 servers can function as protocol converters between SS7 protocols (ISUP, TUP, ISDN, DPNSS) and digital access protocols such as ISDN and SIGTRAN M2PA.
SoIP

High performance and cost effective SS7/IP Gateway

Connecting the VoIP and PSTN worlds, the SoIP Gateway is a compact, high performance and cost effective SS7 to IP device. It is ideal for ISPs, pure-play VoIP operators or for adding VoIP connectivity to legacy switches. SS7 interfaces are increasingly being used to connect to PSTN networks in situations where Q931 / ISDN PRI was used before. Whilst this gives operators a more powerful interface with higher level performance and reliability it can also mean expensive, heavily engineered signalling gateways are required. SoIP gives an easy to use, cost effective way of connecting 1 to 16 E1s of VoIP based traffic to SS7 networks. Based on WTL's well-proven and widely deployed SS7 signalling software, SoIP technology has been installed on more than 100 operators.

WTL have also developed the highly efficient OSST to allow SS7 signalling to be carried through IP networks. This protocol encodes the full range of SS7 messages in a secure, compact way which has been optimised for IP transport. OSST then uses smart routing algorithms to decide which device in the network to send the SS7 message to. SS7 call control can thus be extended to remote SS7 trunks anywhere in the network or converted to be compatible with VoIP protocols.

Advantages

- SoIP is a real switch (from any port to any port)
- Many SS7 local variants supported
- SS7 and ISDN included (interoperables)
- Very flexible routing tables and rules
- Support of many CODECs
- Available APIs

Applications

- Link legacy networks to VoIP carriers
- SS7 tunnelling through a VoIP network
- Create small SS7 PoPs
- Central signalling with distributed trunks
- Extend life of existing Class 4/5 switches
- Collect VoBB subscribers' traffic

Configuration

- Sun Solaris Server with AudioCodes E1 boards
- 1 to 16 SS7 signalling link pairs (upgradeable by software key)
- 2 to 32 E1/T1
- SIP and H.323 on the same system and interoperable
- From 30 to 960 VoIP calls
- MTP Layer: ITU Q704, ISUP Layer: ETSI
- Managed by SW Config (web-based application)
- Uses OSSTTM from WTL (Optimised SS7 Transport)
- Sigtran transparency possible

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<tr>
<th>Description</th>
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<td>SoIP Gateway 2 E1, 60 channels VoIP</td>
<td>SOIP2E1</td>
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<td>SoIP Gateway 2 E1, 60 VoIP channels with full IVR</td>
<td>SOIP2E1-I</td>
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<td>SoIP Gateway 4 E1, 120 VoIP channels</td>
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<td>SoIP Gateway 8 E1, 240 VoIP channels with full IVR</td>
<td>SOIP8E1-I</td>
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<td>SoIP Gateway 16 E1, 480 VoIP channels</td>
<td>SOIP16E1</td>
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<td>SoIP Gateway 24 E1, 720 VoIP channels</td>
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<td>SoIP Gateway 32 E1, 960 VoIP channels</td>
<td>SOIP32E1</td>
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MediaPack

Low density Gateways

MediaPacks are analogue or digital VoIP gateways designed to connect the telephone network or telephone terminals to the IP network or to an IP-PBX. In other words, they make it possible to connect analogue telephones, fax machines, modems and analogue or digital telephone lines to IP platforms and services.

Applications
- IP fax transmission
- Microsoft Exchange 2007 UM
- Microsoft Office Communications Server (OCS)

Versions available
- FXS (2, 4, 8 and 24 ports)
- FXO (4 and 8 ports)
- FXS/FXO (2-2, 4-4)
- BRI, T0 (1, 2, 4)
- MGCP, H.323 and SIP protocols
- Lifeline option

AudioCodes VoIP Gateways are certified by Microsoft for Microsoft Office Communications Server 2007 and Microsoft Exchange Server 2007 “Unified Messaging”.

Mediant 1000

Hybrid and upgradable Gateways (up to 4 E1s)

The Mediant 1000 is an enterprise solution intended to provide an interface between TDM and IP networks, a gateway in the form of a modular platform providing analogue or digital interfaces. The open version of Mediant 1000 is capable of hosting applications using its integrated processor and hard drives. The gateway is upgradable and can integrate up to 6 modules.

Applications
- IP-Centrex
- PBX networks
- IP-PBX, Call Center, IVR
- Microsoft Exchange 2007 UM
- Microsoft Office Communications Server (OCS)

Modules available
- FXS (up to 24 ports)
- FXO (up to 24 ports)
- FXS/FXO (4-4, 12-12)
- BRI, T0 (2 ports)
- PRI, E1, T2 (1/2, 1, 2 and 4)
- MGCP, MEGACO, H.323 and SIP protocols
- Options: double power supply, OSN CPU Board, fallback and Lifeline

New: the Mediant 1000 Multi Service Business Gateway (MSBG) uses the same modules as the Mediant 1000 but provides additional advanced functionalities such as SBC, router, firewall and a DSL access module.

Mediant 600

Compact Digital Gateways (4BRI, 8BRI, 1E1 or 2E1)

Last of the range, the Mediant 600 is a compact Digital VoIP Gateway, also based on VolPerfect technology from AudioCodes. Designed for small and medium enterprises, it has the same configuration interface of the Mediant 1000 and it is offered at a very competitive price.

- SIP protocol
- Fallback and Lifeline options
**Mediant 2000**

Digital Gateways from 1 to 16 E1s

The Mediant 2000 is an upgradable platform that can be used to connect traditional telephone architecture to IP architecture. It is ideal for VoIP deployment by operators or other businesses using the most common PBX, IP-PBX, call managers, access controllers and software switches.

- **Applications**
  - 2G and 3G enterprise solutions
  - IP-Centrex
  - Microsoft Exchange 2007 UM
  - Microsoft Office Communications Server (OCS)
  - CTI applications
  - Transport of the SS7 signal
- **Versions available**
  - PRI (1, 2, 4, 8 and 16 E1s)
  - MGCP, MEGACO, H.323 and SIP protocols
  - Option: Single Board Computer for integrating additional applications

**Mediant 3000, 5000 and 8000**

High density Digital Gateways

The Mediant 3000, 5000 and 8000 are robust and reliable high availability and high density gateways designed for deployment of operator networks requiring high levels of redundancy, availability and upgradability.

- **Mediant 3000**: up to 2,000 channels and 4 slots (2U cPCI)
- **Mediant 5000**: up to 8,000 VoIP/GSM/UMTS channels and 10 slots (5U cPCI)
- **Mediant 8000**: up to 16,000 VoIP/GSM/UMTS channels and 21 slots (12U cPCI)

- **Applications**
  - IMS solutions
  - IP-Centrex
  - 2G/3G operator solutions
  - Transport of the SS7 signal
- **Versions available**
  - MGCP, MEGACO, H.323 and SIP protocols

**IPM260 and TP260**

Boards for Media applications

The IPM260 and TP260 boards are comprehensive solutions providing IP and PSTN interfaces for developing a large palette of solutions and preparing the next generation of applications for present and future networks.

- **Applications**
  - Call Center, IVR
  - Conferencing
  - Unified Messaging
- **Versions available**
  - TP260 and IPM260: 1, 2, 3 and 4 E1 (voice, fax and data) in PCI format
  - SIP protocol (available with AudioCodes API)
Dialogic® IP Media Gateways

For an easy migration to VoIP

Dialogic’s IP Media Gateways range comprises a set of appliances for use by businesses that want to migrate towards use of IP whilst still retaining their current telephone systems. Used to connect an enterprise’s PABX to its computer network, Dialogic’s VoIP gateways enable conversion of all forms of communication to IP format thus ensuring compatibility with the more recent H.323 and SIP telecom standards. They incorporate both analogue (RTC and PABX) and digital (PRI and BRI) interfaces enabling connection of all types of TDM infrastructure to the IP network. The following models are available:

- **Dialogic Media Gateway 1000**
  - 4 and 8 analogue ports
  - FXO to IP network interface for PBX
  - 4 to 8 channels
  - H.323/SIP
  - TLS/SRTP

- **Dialogic Media Gateway 2000**
  - 1, 2 and 4 E1s/PRIs
  - 30 to 120 channels
  - H.323/SIP
  - TLS/SRTP

- **Dialogic Media Gateway 3000**
  - 4 and 8 T0/BRI ports
  - T0 to IP network interface for PBX
  - 8 to 16 channels
  - SIP

- **Dialogic Media Gateway 4000**
  - 2 and 4 T2/E1/PRI
  - E1 to IP network interface for PBX
  - Server included for hosting of Microsoft Mediation Server
  - 60 to 120 channels
  - SIP
  - TLS/SRTP

**Applications**
- Microsoft Office Communications Server 2007
- Microsoft Exchange Server 2007 UM
- Centralised VoIP applications: IVR, Unified Messaging etc.
- IP-PBX
- Call Center
- VoIP extension for distant locations

### Dialogic IP Media Gateways

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*Dialogic VoIP Gateways are certified by Microsoft for Microsoft Office Communications Server 2007 and Microsoft Exchange Server 2007 “Unified Messaging”.*
VegaStream VoIP Gateways

VoIP Protocols: SIP, H.323 V4
Codecs: G723.1 (6,4Kbps), G729a (8Kbps), G711 (64 Kbps)

Vega Europa and Vega 5000

VoIP Gateways for SMBs and SMEs

These excellent VoIP Gateways are compatible with FXS, FXO and BRI ports. Their concentrated technology is perfect for the needs of small and medium enterprises and they combine all the advantages of VoIP for a very low and competitive cost. On all FXS versions, 2 additional FXO ports are provided for free to allow the gateway to be connected to 2 analogue telephone lines or PBX. And in the event of problems with the IP network, the lifeline function enables recourse to the PSTN network.

Applications
- IP-PBX, Call Center
- VoIP interconnection of PBX
- VoIP extension for remote sites
- Unified Messaging
- IP-Centrex

New: On all VegaStream Gateways there is an optional Proxy. So you can register directly IP phones and remote gateways. This allows a Back-up in case of disconnection of IP link. This optional module costs 10% of the price of the product.

For both medium and large enterprises

The Vega 400 high density digital Gateways enable both enterprises and operators to connect their digital telephone infrastructure to the IP network. All Vega 400 versions are provided with 4 PRI interfaces (4 E1s) enabling the activation (subject to a software licence agreement) of between 15 and 120 VoIP channels. Each E1 can be configured in both Network and Terminal mode, for simultaneous connection to the network and to one or several PBXs, thus providing the benefits of switch or least cost routing functions.
QuesCom appliances

Greater mobility, greater productivity... and greater savings!

QuesCom appliances enable businesses to make drastic savings in the cost of international calls, calls within the business and calls to mobile phones. In addition, QuesCom's mobile functions mean that you can benefit from the same telephone services whether you're in the office or travelling (unique phone number, short number dialling "as per usual", conference calls etc.)

QuesCom 50

Ideal for small and medium enterprises

QuesCom 50 provides an immediate reduction in business telephone costs and so can have a payback period of just a few months. The gateway connects the PBX directly to the public GSM network thus transforming a fixed-to-mobile call into a mobile-to-mobile call. QuesCom 50 also allows for transmission of SMSs.

QuesCom 200, 300 & 400

Mobility, economy and upgradability

The QuesCom 200, 300 & 400 appliances provide for optimal use of QuesCom's mobility services via their GSM and VoIP functionalities. Internal communications become totally free, the cost of calling mobiles from fixed terminals is considerably reduced and international calls will cost you the price of a local call. In addition, QuesCom's FAX and SMS solutions mean you can receive and send Faxes and SMSs using your company's messaging application and your unique phone number. The QuesCom appliances can be connected between the PBX and telecom network, or directly connected to the IP network, and are compatible with any ISDN PBX (T0 or T2) or IP-PBX (SIP, H.323).

MobiQ

Mobile services: simplicity itself

MobiQ is a software application integrated into QuesCom's gateways. Once installed on a mobile phone, it provides the user with a convivial and easy to use interface for making the best of mobile services. When travelling, the user can reply via his or her mobile to calls received on his or her unique number and can access such QuesCom services as:
- Music on hold
- Call transfer to another extension
- Conferencing facilities

Once back in the office, the user remains free to choose whether to use his fixed or mobile phone. In a word, the user can be contacted via a personal and unique phone number wherever he or she is located at a given moment.

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<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>QuesCom 50, 2 GSM channels, 2 BRI</td>
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<td>QuesCom 300 IP/GSM, for IP-PBX, 8 GSM channels, up to 16 VoIP</td>
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<td>L900-MSP-UPG25</td>
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3CX for Windows

IP Phone System 100% software

3CX Phone System for Windows is a software-based IP-PBX that replaces the traditional proprietary hardware PBX. 3CX has been developed specifically for Microsoft Windows and is based on the SIP standard – making it easier to manage and allowing you to use any SIP Phone (software or hardware) without any need for separate phone wiring as phones use computer network. 3CX is far less expensive than a hardware based PBX and is very easy to install & manage via its web-based configuration interface. Connection with public network (PSTN) can be made directly through a Voice over IP Gateway as VegaStream, and also through SIP/VoIP providers which will allow you to save dramatically on your telephony costs.

Advantages

- Complete Phone System - Provides call switching, routing & queuing
- Scalable - Unlimited extensions and phone lines
- Web based configuration & status indication - Easy phone system management!
- Unified Messaging - Receive voice mail via e-mail
- Auto attendant (e.g. 1 for sales, 2 for support, …)
- No more expensive proprietary system phones - Use standard SIP Phones
- Eliminate the phone wiring and make moving offices easier
- Configuration 'out of the box' for many VoIP providers

Compatible with

- PSTN connection and VoIP providers
- FXS and FXO VoIP Gateways
- SIP Phones, USB phones and Headsets

AASTRA SIP Phones

High Quality SIP Telephones

Aastra is a worldwide leading manufacturer of open-standard VoIP telephones, designed to improve your communications. Aastra offers a full range of cost effective enterprise grade IP Phones that have been designed for interoperability, upgradeability and ease of use. With years of experience in telecommunications and telephone design, Aastra can ensure superior voice quality. All IP phones from Aastra offer features and flexibility in an open-standards based, carrier grade basic level IP Phone. All Aastra IP Phones offer full-duplex speakerphone with excellent voice clarity and delivery. The built in dual 10/100 switched Ethernet ports let you share a connection with your computer, eliminating additional wiring and simplifying installations. Inline power support eliminates the need for a power adapter.

The Aastra 5i range offers high level features, a sleek and elegant design and a LCD display where size depends on the model. It offers advanced XML capability to access custom applications and support for high-quality SIP communications. Dual auto-sensing switched Ethernet ports Integrated IEEE 802.3af Power over Ethernet allows easy deployment with centralized powering and backup. Easily created configuration files, using any text editor, can be used to configure phones individually or centrally.

The Aastra family of IP Phones, is ideally suited for moderate to heavy telephone users who require more one touch feature keys and XML based programs on a high quality SIP phone.

Advantages

- Personal directory
- Call forward, Call transfer & Call waiting
- Caller and calling line information
- Callers log, Redial list
- Live dial pad or pre-dial support
- BroadSoft's BroadWorks enhanced SIP
- Supports Intercom, Shared Call Appearance,
- Nortel’s MCS SIP support
- Conferencing, Voicemail, and NAT Traversal support

<table>
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<tr>
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<tr>
<td>3CX FREE Product (Reduced Features, unlimited users, no support)</td>
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<td>3CX Full product (Full Features, unlimited users)</td>
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<td>3CX Enterprise edition - 64 simultaneous calls</td>
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<td>PRO upgrade to Enterprise Edition 32SC</td>
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<td>Aastra Office 9133i - PoE</td>
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<td>Aastra SIP Phone 51i - PoE (without power supply)</td>
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<td>Aastra SIP Phone 53i - PoE</td>
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<td>Aastra SIP Phone 55i - PoE</td>
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<tr>
<td>Aastra SIP Phone 57i - PoE</td>
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**Envox 7**

For simple and rapid developments of your voice applications

Envox 7 is an open platform which is compatible with the most common standards found in the market and whose development and component management functions enable it to achieve significant reductions in the cost, complexity and time required to deploy voice and IP solutions. Envox 7 enables numerous services to be deployed:

- **Open shop voice solutions** such as interactive voice servers, outward bound numbering and voice recognition
- **Solutions for service-providers** such as voice and video messaging, SMSs, emails and billing applications
- **Solutions for contact centres** including outward bound numbering, intelligent routing applications and automatic display of customer details
- **Solutions for unified communications** such as standardised voice messaging systems and applications combining traditional and IP telephone functions...

**Nuance RealSpeak Telecom**

The market leader for text-to-speech solutions

RealSpeak™ is a text-based voice synthesis solution enabling businesses to deploy interactive applications in more than 26 languages whether for automatic exchanges, voice portals, call centers, voice messaging or other services.

**Nuance Recognizer 9**

The reference for voice recognition solutions

Nuance Recognizer 9 is a new voice recognition engine which is capable of catapulting the performance and quality levels of voice solutions for CRM or telephone information applications. Nuance Recognizer analyses the underlying speech patterns and not merely the words used, thereby reducing the number of questions that have to be asked in order to respond to a request or conclude a transaction.

**Envox CT Connect**

Connect your applications to your PABX

Envox CT Connect has been designed to connect a large range of telephone switching equipment to your business applications in the area of CRM, sales administration etc. This Computer Telephony Integration (CTI) application uses client/server technology and is compatible with the most common standards in the market (C, C++, Java, TAPI and ActiveX etc.), so developers can easily use it to add to their existing applications such as call management functions as:

- Intelligent routing
- Automatic display of customer data
- Call monitoring
- “Click to call”

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**Table - Description, Part number, List Price €**

<table>
<thead>
<tr>
<th>Description</th>
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<td><strong>Envox 7 Development Kits</strong></td>
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<td>Envox Studio VoiceXML Studio 7.X</td>
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<td>Envox Station Channel Runtime license</td>
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*Envox Support and Service included for 1 year

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<td>Annual phone support</td>
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<td>License 1 link/1 voice (recognize more than 2500 words)</td>
<td>NR-IPORT2500-1L</td>
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<tr>
<td>License 1 link/1 voice (recognize natural speaking)</td>
<td>NR-IPORTLN</td>
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<td>I additional language for 1 link/1 voice (recognise more than 2500 words)</td>
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*Envox Support and Service included for 1 year

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<td>Mid license For Win (75 devices) – USB key</td>
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<td>Full license For Win (unlimited) – USB key</td>
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<td>20 450.00</td>
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</table>

*Envox Support and Service included for 1 year
**Zetafax**

*Send and receive faxes from your desktop!*

Use of Zetafax's simple and rapid network Fax application has revolutionised the functioning of tens of thousands of businesses. Designed for integration within your existing IT infrastructure, Zetafax is equally at ease with applications such as Word and Excel, with messaging systems or with business applications in the areas of sales administration, accounting etc... *Zetafax is easy to install* (a few clicks) and deploy and requires very little maintenance since its automatic updates mean you always have the application's latest functionalities at your fingertips.

**Key benefits:**
- Scope for searching for a fax number by recipient, keyword or date
- Back-up fax server with automatic failover if needed
- Integration within Exchange 2007, Office 2007 and Vista
- Despatch of faxes from accounting and sales administration applications
- Compatible with most of the multi-function appliances available in the market
  - Full integration with Notes 5, 6 and 7, Exchange 5.5, 2000, 2003, 2007 and SMTP
  - Windows and Web client interfaces
  - Native interface with Sage
  - Automatic routing of inbound faxes to one or several recipients (DID)
  - Approval rules
  - PDF archiving of faxes
  - E-copy support
- Options: SMS transmission interface – web client interface – conversion engine for more than 250 different formats of attachments

**Zetafax Duo**

*Combine the power of Zetadocs PDF with Zetafax*

Zetafax Duo will enable you to achieve secure and efficient fax or email transmission, in PDF format, of documents originating with any other application. The package includes the Zetafax server, which processes the transmission and reception of faxes from and to the user’s PC, as well as a Zetadocs client application capable of converting all types of document into fax and PDF format. Documents sent are automatically transmitted in PDF format via Exchange and/or faxed via the Zetafax server. No integration is required: Zetafax Duo will function with your existing infrastructure, such as Outlook, Lotus or any other SMTP client, thus leaving you free to choose the form of communication (PDF email, fax, local printout) best suited to your needs.

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**Zetafax**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
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<tbody>
<tr>
<td>Media Zetafax</td>
<td>EQZFN08-005</td>
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<td>Zetafax Business Edition (1 server, x clients, 2 fax lines)</td>
<td>EQZFN08-211</td>
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<td>Zetafax 5 Users, includes 1st year’s software assurance</td>
<td>EQZFN08-212</td>
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<td>Zetafax 10 Users, includes 1st year’s software assurance</td>
<td>EQZFN08-213</td>
<td>2 845,00</td>
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<tr>
<td>Zetafax Corporate Edition (1 server, x clients, 2 fax lines)</td>
<td>EQZFN08-204</td>
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<td>Zetafax 50 Users, includes 1st year’s software assurance</td>
<td>EQZFN08-205</td>
<td>5 595,00</td>
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<tr>
<td>Zetafax Unlimited users, includes 1st year’s software assurance</td>
<td>EQZFN08-206</td>
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**Add-ons**

1. additional line for FAX or SMS
   - EQZFN08-221 845,00
2. additional lines for FAX or SMS
   - EQZFN08-222 1 195,00
3. additional lines for FAX or SMS
   - EQZFN08-223 1 595,00
4. Unlimited lines for FAX or SMS
   - EQZFN08-220 2 499,00

**API Toolkit License**

- EQZFN08-222 845,00
- Fax Broadcast Add-on
  - EQZFN08-185 1 590,00
- Additional Zetafax Server for failover
  - EQZFN08-241 1 595,00
- Zetafax Connector Add-On for Goldmine
  - EQZFN08-236 395,00
- API Toolkit Runtime license (5 API licenses)
  - EQZFN08-229 1 695,00
- Document Conversion Add-on
  - EQZFN08-240 845,00
- Corporate Edition upgrade (LCR, cluster, multiple domain)
  - EQZFN08-262 1 695,00
- SMS license for Zetafax
  - EQZFN08-272 545,00

**Upgrades to Zetafax 2008**

- 5 Users Upgrade
  - EQZFN08-251 495,00
- 10 Users Upgrade
  - EQZFN08-252 695,00
- 25 Users Upgrade
  - EQZFN08-253 1 445,00
- 50 Users Upgrade
  - EQZFN08-254 2 395,00
- 100 Users Upgrade
  - EQZFN08-255 2 995,00
- More than 100 Users Upgrade
  - EQZFN08-251 3 595,00

**Zetafax Duo (Zetafax + Zetadocs)**

<table>
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<td>Zetafax Duo 5 Users, includes 1st year’s software assurance</td>
<td>EQZFD08-202</td>
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<td>Zetafax Duo 25 Users, includes 1st year’s software assurance</td>
<td>EQZFD08-203</td>
<td>4 845,00</td>
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<tr>
<td>Zetafax Duo Corporate Edition (1 server, x clients, 2 fax lines)</td>
<td>EQZFD08-204</td>
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<tr>
<td>Zetafax Duo 50 Users, includes 1st year’s software assurance</td>
<td>EQZFD08-205</td>
<td>11 495,00</td>
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<tr>
<td>Zetafax Duo 250 Users, includes 1st year’s software assurance</td>
<td>EQZFD08-206</td>
<td>14 695,00</td>
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<tr>
<td>Zetafax Duo 500 Users, includes 1st year’s software assurance</td>
<td>EQZFD08-208</td>
<td>16 445,00</td>
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</tbody>
</table>

**Zetafax Duo Updates (for Zetafax customers without latest version)**

- 5 users upgrade to Zetafax Duo
  - EQZFD08-251 995,00
- 10 users upgrade to Zetafax Duo
  - EQZFD08-252 1 495,00
- 25 users upgrade to Zetafax Duo
  - EQZFD08-253 2 995,00
- 50 users upgrade to Zetafax Duo
  - EQZFD08-254 5 495,00
- 100 users upgrade to Zetafax Duo
  - EQZFD08-255 6 895,00
- 250 users upgrade to Zetafax Duo
  - EQZFD08-256 8 945,00
- 500 users upgrade to Zetafax Duo
  - EQZFD08-257 10 695,00

**Media Zetafax**

- Media Zetafax
  - EQZFN08-005 24,00
- Zetafax Media Pack
  - EQZFN08-005 24,00
- Zetafax 5 Users, includes 1st year’s software assurance
  - EQZFN08-211 945,00
- Zetafax 10 Users, includes 1st year’s software assurance
  - EQZFN08-212 1 395,00
- Zetafax 25 Users, includes 1st year’s software assurance
  - EQZFN08-213 2 845,00
- Zetafax Corporate Edition (1 server, x clients, 2 fax lines)
  - EQZFN08-204 4 350,00
- Zetafax 50 Users, includes 1st year’s software assurance
  - EQZFN08-205 5 595,00
- Zetafax Unlimited users, includes 1st year’s software assurance
  - EQZFN08-206 6 995,00

**Options**

- SMS transmission interface – web client interface – conversion engine for more than 250 different formats of attachments
- Full integration with Notes 5, 6 and 7, Exchange 5.5, 2000, 2003, 2007 and SMTP
- Windows and Web client interfaces
- Native interface with Sage
- Automatic routing of inbound faxes to one or several recipients (DID)
- Approval rules
- PDF archiving of faxes
- E-copy support
- Options: SMS transmission interface – web client interface – conversion engine for more than 250 different formats of attachments

**Zetafax**

Send and receive faxes from your desktop!

Use of Zetafax’s simple and rapid network Fax application has revolutionised the functioning of tens of thousands of businesses. Designed for integration within your existing IT infrastructure, Zetafax is equally at ease with applications such as Word and Excel, with messaging systems or with business applications in the areas of sales administration, accounting etc...
FAXmaker

The hassle-free Fax Server!

GFI FAXmaker is a Fax Server that makes sending and receiving faxes an efficient, simple and cheaper process, allowing users to receive and send faxes directly from their email client. The benefits are numerous: Less time is spent sending, collecting and distributing faxes, noticeable cost savings and each fax received or sent is saved in digital format as an email. With tens of thousands of customers and numerous awards, GFI FAXmaker is one of the leading Fax Servers on the market, offering reliability and enterprise functionality at an unbeatable price.

GFI FAXmaker was designed from the ground up to minimize its administration. It integrates with Active Directory and therefore does not require the administration of a separate fax user database. User-related settings can be applied to Windows users or groups directly. GFI FAXmaker includes a robust fax server, which can scale up to 32 lines per fax server using fax boards or active ISDN cards. For smaller installations, Fax modems can be used as well. GFI FAXmaker also supports the use of the Windows 2000/XP/2003 fax drivers for wider hardware support.

GFI FAXmaker integrates with Exchange Server 2000/2003 via a standard Exchange SMTP connector. There are no schema updates to Active Directory. This makes GFI FAXmaker scalable and indifferent to new Exchange service packs and versions. Microsoft Exchange 5.5 is supported by creating a routing rule on the Exchange 5.5 SMTP connector. GFI FAXmaker can be installed on the Exchange server or on a separate machine, in which case no software has to be installed on the Exchange server itself! GFI FAXmaker also integrates with Lotus Domino and other popular SMTP servers.

Fax over IP (FoIP) support

With the optional Brooktrout SR140 host-based module, GFI FAXmaker integrates with your existing IP-PBX to offer Fax over IP (FoIP) capabilities without any hardware requirements. With FoIP you can easily send faxes over the Internet whilst integrating with the existing IP infrastructure. GFI FAXmaker’s FoIP may also be used to implement Least Cost Routing (LCR); this results in cost-effectiveness that is achieved through a reduction in international calls dialed since calls are translated into a local call the recipient’s country.

GFI FAXmaker’s SMS gateway enables network users to send SMS messages from their desktop; this allows them to easily contact business colleagues and associates who are on the road or away from their desk. SMS messages can be sent via an Internet-based SMS service or through a mobile phone or PCMCIA mobile card. The SMS gateway can also be used for administrative alerts, for example, to notify an administrator of critical system outages or application problems. Any email-enabled application can send SMS messages via the GFI FAXmaker SMS gateway.

Other features

- Runs on Citrix terminal server
- HP Digital Sender support to easily fax paper documents
- Fax annotation
- Automatically print transmission reports including miniatures of the fax
- Preview a fax
- Text/XML API allows for easy application integration
- Supports rendering of HTML format messages
- Auto-print faxes on different network printers based on routing rules
- Call accounting: Analyze fax costs using Microsoft Excel
- Routing of faxes to other FAXmaker server for least cost routing (LCR) by means of SMTP
- Design coversheets in HTML or in RTF (Microsoft Word) format
- Remote Fax Server monitoring

GFI FAXmaker is one of the leading Fax Servers on the market, thousands of customers and numerous awards, GFI FAXmaker is one of the leading Fax Servers on the market, offering reliability and enterprise functionality at an unbeatable price.

---

### FAXmaker Core Product

**FAXmaker Core Product**

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
<th>Price list €</th>
<th>SMA*</th>
</tr>
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<tbody>
<tr>
<td>FAXmaker, Server, Gateway Exchange, SMTP, 4 lines, unlimited users</td>
<td>FAXUNL</td>
<td>8 755,50</td>
<td>1 079,10</td>
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<tr>
<td>FAXmaker, Server, Gateway Exchange, SMTP, 4 lines, 500 users</td>
<td>FAX300</td>
<td>3 853,00</td>
<td>767,00</td>
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<td>FAX250</td>
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<td>272,30</td>
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<td>FAX25</td>
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<td>FAX10</td>
<td>1 913,00</td>
<td>382,60</td>
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<tr>
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### FAXmaker Updates

**FAXmaker Updates**

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<th>Part number</th>
<th>Price list €</th>
<th>SMA*</th>
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</thead>
<tbody>
<tr>
<td>FAXmaker, Server, Gateway Exchange, SMTP, 4 lines, unlimited users</td>
<td>FAXSERV1</td>
<td>1 125,00</td>
<td>225,00</td>
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### FAXmaker Add-ons

**FAXmaker Add-ons**

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<td>2 additional lines</td>
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<td>4 additional lines</td>
<td>4LUPG</td>
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<td>430,00</td>
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<td>8 additional lines</td>
<td>8LUPG</td>
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<td>20 additional lines</td>
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<td>26 additional lines</td>
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<tr>
<td>Unlimited lines</td>
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<tr>
<td>OCR Routing module</td>
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<tr>
<td>Additional Fax server</td>
<td>FAXSERV1</td>
<td>1 125,00</td>
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</tbody>
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*SMA : Software Maintenance Agreement, includes 1 year upgrades and support (Add SMA to the product – For the first purchase the first year SMA is mandatory*

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**Sintel Services are available on this product – see page 41, 42 & 43.**
**Dialogic® Voice and Fax boards**

**Powerful dedicated platforms for Voice and Fax applications**

Dialogic offers a range of universal intelligent server boards with analogue or digital connectivity (basic BRI and multi-BRI access or PRI access).

Dialogic’s voice boards are specifically designed for integration within voice applications such as conference servers, automatic answering services, voice messaging, predictive dialling, interactive voice servers, alarm servers, telephone surveillance/monitoring, IP-PBX etc. To this end, they dispose of a range of advanced functions – VAD (Voice Activity Detection), DTMF, echo cancellation, switching & conferencing, barge in, tone detection – and support the QSIG protocol enabling integration with most PABXs available in the market.

Dialogic’s Fax boards are ideal to operate Fax or Unified Messaging servers, since they optimise compression of the fax files (MH, MR, MMR) to be transmitted and support the use of error correction mode (ECM). As for Dialogic’s digital Fax boards, they also allow for automatic inbound routing using Direct Inward Dialling and thus enable users to send and receive faxes from their own workstations. Finally, Dialogic’s boards are compatible with most of the Network Fax applications available in the market, as well as with many Voice Applications such as Fax on Demand and Automatic attendant...

The boards include their own Digital Signal Processors (DSP) to take over instant processing of the tasks that otherwise would tend to overload the server. Both voice and fax boards are officially WHQL certified. They allow developers to use a range of standardised interfaces (CAPI, TAPI) as well as APIs designed to facilitate integration with voice applications. Certain boards can even be used to interconnect telephones as a means of development of computer-based PABXs or PCBXs. According to the model, Dialogic’s boards support the following signalling protocols: BRI, E1/PRI, CAS, ISDN, QSIG and SS7.

**Applications**
- Fax and Conferencing servers
- IVR, Voice Mail
- Call Center
- Legal tapping
- Unified Messaging
- Automatic Answering

**Specifications**
- The boards can be programmed using an API or SDK kit
- PCI universal and PCIe form factors
- Up to 33,600bps per channel for both outbound and inbound faxes

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### Dialogic Voice and Fax boards

<table>
<thead>
<tr>
<th>Description</th>
<th>Part number</th>
<th>List Price €</th>
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<tr>
<td><em>Only main boards are listed. For other part number, please contact us</em></td>
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<tr>
<td>Universal boards - Fax/Voice/Modem - ISDN</td>
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<tr>
<td>Diva PRI/E1-30 PCI</td>
<td>306-214</td>
<td>5 352,00</td>
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<tr>
<td>Diva PRI/E1-60</td>
<td>306-249</td>
<td>7 384,00</td>
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<tr>
<td>Diva PRI/E1-120</td>
<td>306-251</td>
<td>10 770,00</td>
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<td><strong>Universal boards - Fax/Voice/Modem - Analog</strong></td>
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<tr>
<td>Diva Analog-2P</td>
<td>306-302</td>
<td>670,00</td>
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<td>Diva Analog-4P</td>
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<td>Diva Analog-8P</td>
<td>306-333</td>
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<td><em>Only main boards are listed. For other part number, please contact us</em></td>
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<td>Voice boards - ISDN</td>
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<td>7 384,00</td>
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<td><strong>Diva Voice boards JCT et DMIV</strong></td>
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<td><em>Only main boards are listed. For other part number, please contact us</em></td>
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<tr>
<td>Analog boards</td>
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<td>Diva PRI/E1-30</td>
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<td>10 364,00</td>
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<tr>
<td>Diva PRI/E1-30 PCie</td>
<td>306-315</td>
<td>10 364,00</td>
</tr>
<tr>
<td>Diva PRI/E1-T1-8 v3.0 PCI</td>
<td>306-206</td>
<td>4 403,00</td>
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<tr>
<td><strong>Universal board - Fax/Voice/Modem - Analog</strong></td>
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<tr>
<td>Diva Analog-2P</td>
<td>306-302</td>
<td>670,00</td>
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<tr>
<td>Diva Analog-4P</td>
<td>306-322</td>
<td>1 212,00</td>
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<tr>
<td>Diva Analog-8P</td>
<td>306-333</td>
<td>1 754,00</td>
</tr>
</tbody>
</table>

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**Sintel Services are available on this product – see page 41, 42 & 43.**
SBC nCite 1000 and 4000

Session Border Controller for operators and other businesses

The Session Border Controller enables operators and other businesses to exercise complete control over their VoIP quality, to secure their architecture and gain in flexibility as regards their signalling and compression protocols. It can be fully integrated to their network and offers the following main functions:

- Protection against service refusal (topology hiding)
- Protocol and coder-decoder conversion (transcoding)
- Legal intercept
- QoS management
- Management of NAT traversal
- SIP proxy load balancing
- Deep packet inspection (content verification, protocol identification)

The SBC also guarantees the quality of the user’s communication and reinforces service level by monitoring call volume and use of bandwidth.

nCite can be deployed in various ways in response to all kinds of requirements:

- Between a service-provider and the customer
- Between 2 service-providers with reciprocal VoIP traffic arrangements
- Within IMS networks for purposes of voice session control and to provide gateway functions
- As part of a service-provider’s VPN customer offer
- At the heart of the network, to help resolve internal topology issues
- As a central transcoder capable of resolving issues of equipment interoperability

nCite 1000

- Can manage up to 4,000 sessions
- Offers bandwidth of 1 Gb
- Registers up to 20,000 IP telephones

nCite 4000

- Can manage up to 21,000 G.729 sessions
- Can manage up to 42,000 G.711 sessions
- Offers bandwidth of 2 to 4 Gb
- Registers up to 100,000 IP telephones

NeoXBC

NAT, Security and QoS for VoIP Networks

Managing network’s borders is a critical task that cannot be performed by regular network devices such as firewalls, soft-switches or routers. NeoXBC is a carrier-class SBC, a new breed of networking equipment, specifically built to handle VoIP traffic in real time. NeoXBC enables telecom operators, service-providers and enterprises, to switch their voice services from PSTN to full IP networks, thereby achieving greater profitability and customer satisfaction, without compromising security and performances. NeoXBC includes also access registrar. NeoXBC includes access registrar features but also three main components which are:

- The Application Layer Gateway for the management of signalling (NAT, call context, customers management)
- The Media Proxy with routes and filters media streams processing on the order of the ALG
- The Proxy Software Development Kit, a powerful API that enables a high level of customization

Applications

- Residential Offers: such as telephony, video-telephony, streaming application such as IPTV or VoD...
- Carrier peering: NeoXBC assures the masking of the operator’s network.
- Secured IP trunking: NeoXBC provides NAT traversal between the company’s LANs and the operator network, as well as security, QoS, bandwidth management, call control functions and protocol interoperability between IP PBXs.
- IP-Centrex: NeoXBC enables a secured interconnection of company’s LAN to Centrex platform, managing also NAT and QoS.

AudioCodes

NAT, Security and QoS for VoIP Networks

Managing network’s borders is a critical task that cannot be performed by regular network devices such as firewalls, soft-switches or routers. NeoXBC is a carrier-class SBC, a new breed of networking equipment, specifically built to handle VoIP traffic in real time. NeoXBC enables telecom operators, service-providers and enterprises, to switch their voice services from PSTN to full IP networks, thereby achieving greater profitability and customer satisfaction, without compromising security and performances. NeoXBC includes also access registrar. NeoXBC includes access registrar features but also three main components which are:

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- The Media Proxy with routes and filters media streams processing on the order of the ALG
- The Proxy Software Development Kit, a powerful API that enables a high level of customization

Applications

- Residential Offers: such as telephony, video-telephony, streaming application such as IPTV or VoD...
- Carrier peering: NeoXBC assures the masking of the operator’s network.
- Secured IP trunking: NeoXBC provides NAT traversal between the company’s LANs and the operator network, as well as security, QoS, bandwidth management, call control functions and protocol interoperability between IP PBXs.
- IP-Centrex: NeoXBC enables a secured interconnection of company’s LAN to Centrex platform, managing also NAT and QoS.

NeoXBC Software licence (for Operator Network)

<table>
<thead>
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<th>Description</th>
<th>Part number</th>
<th>List Price €</th>
<th>CMS*</th>
</tr>
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<tbody>
<tr>
<td>Voice licence for 200 simultaneous calls</td>
<td>LVOICE200</td>
<td>10 236,00</td>
<td>1 535,40</td>
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<tr>
<td>Voice licence for 500 simultaneous calls</td>
<td>LVOICE500</td>
<td>23 030,00</td>
<td>3 454,50</td>
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<td>Voice licence for 1000 simultaneous calls</td>
<td>LVOICE1K</td>
<td>37 309,00</td>
<td>5 396,35</td>
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<td>Voice licence for 2000 simultaneous calls</td>
<td>LVOICE2K</td>
<td>57 338,00</td>
<td>8 600,70</td>
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<tr>
<td>Voice licence for 4000 simultaneous calls</td>
<td>LVOICE4K</td>
<td>79 309,00</td>
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<td>LVISIO10</td>
<td>24 967,00</td>
<td>3 745,05</td>
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<td>91 005,00</td>
<td>13 650,75</td>
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<td>Visio 384Kb licence for 100 simultaneous calls</td>
<td>LVISIO1K</td>
<td>139 863,00</td>
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<td>Visio 384Kb licence for 150 simultaneous calls</td>
<td>LVISIO2K</td>
<td>241 819,00</td>
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Optional Access Registrar/Gatekeeper software

- For 2000 endpoints | AREG-0-2K | 2 693,00 | 403,95 |
- For 5000 endpoints | AREG-0-5K | 4 809,00 | 721,35 |
- For 10000 endpoints | AREG-0-10K | 7 856,00 | 1 178,40 |
- For 20000 endpoints | AREG-0-20K | 13 340,00 | 2 001,00 |
- For 50000 endpoints | AREG-0-50K | 28 765,00 | 4 314,75 |
- For 100000 endpoints | AREG-0-100K | 45 980,00 | 6 897,00 |
- For 200000 endpoints | AREG-0-200K | 70 128,00 | 10 519,20 |
- For 500000 endpoints | AREG-0-500K | 120 520,00 | 18 078,00 |

NeoXBC Software licence (for Enterprise Network)

<table>
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<tr>
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<td>19 650,00</td>
<td>2 947,50</td>
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</table>

Appliance Security ComVerse, I-U server (2000 calls capacity) | LA | 1 277,00 | 191,55 |
MailEssentials for Exchange/SMTP

Anti spam filtering software

An effective way to beat spammers at their game is to use anti spam software like GFI MailEssentials for Exchange/SMTP. With over 60 awards to its name, 80,000 satisfied customers and the lowest prices on the market, GFI MailEssentials is an anti spam filter that captures over 98% of spam. GFI MailEssentials is server-based and installs on the mail server or at the Gateway, eliminating the deployment and administration hassle of desktop-based anti-spam and anti-phishing products. GFI MailEssentials can detect and block phishing emails as well as add email management tools to your mail server: disclaimers, mail monitoring, Internet mail reporting, list server, server-based auto replies and POP3 downloading.

MailSecurity for Exchange/SMTP

Protecting against viruses, exploits and trojans

GFI MailSecurity acts as an email firewall and provides mail security by protecting you from email viruses, exploits and threats, as well as email attacks targeted at your organization. GFI MailSecurity uses multiple virus scanners to scan inbound email. Since each engine has its own heuristics and methods, one virus engine is likely to be better at detecting a particular virus and its variants, while another virus engine would be stronger at detecting a different virus. The GFI MailSecurity Trojan & Executable Scanner detects unknown malicious executables by analyzing what an executable does.

MailArchiver for Exchange

Email archiving and management

GFI MailArchiver is used by thousands of administrators to avoid the pains of PST file management because it reduces the company’s dependency on these files. All email is stored in a central location that is easily accessible using a web browser and the PST migration tool ensures access to old emails stored in PST files on users’ machines.

LANguard Security Scanner

Network scanning and patch management

GFI LANguard Network Security Scanner (N.S.S.) is an award-winning solution that allows you to scan, detect, assess and rectify any security vulnerabilities on your network. Using a single console with extensive reporting functionality, GFI LANguard N.S.S.’s integrated solution helps addressing problems related to vulnerability issues, patch management and network auditing.

Network ServerMonitor

Server and network monitoring

GFI Network Server Monitor is a network monitoring software solution that enables administrators to scan the network for failures or irregularities automatically. With GFI Network Server Monitor, you can identify issues and fix unexpected conditions before your users (or managers) report them to you!

EventsManager

Check what really happens on your network

Providing support for devices from the top 20 manufacturers in the world as well as custom devices, GFI EventsManager allows you to monitor an extended range of hardware products, report on the health and operational status of each one and collect data for analysis. It supports a wide range of event types such as W3C, Windows events, Syslog and SNMP traps generated by devices such as firewalls, routers and sensors as well as custom devices.

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For a higher number of licenses, or for other products please contact us by email or telephone.

*SMA: Software Maintenance Agreement, includes 1 year upgrades and support (Add SMA to the part number of the product) – For the first purchase the first year SMA is mandatory

** The AntiSpam and Phishing modules are included with the basic product

*** The Anti Virus Norman and BitDefender are included with the basic product.
**Kaspersky Open Space Security**

**Security whatever the type or size of business**

Kaspersky Open Space Security is a new concept of corporate security from the cyber-protection experts of Kaspersky Lab. The solutions proposed are particularly innovative, can be adapted to all forms of network architecture and ensure overall protection for all applications. Kaspersky Open Space Security comprises four modules:

- **Kaspersky Work Space Security**: which ensures centralised protection of all computers on the network whatever the operating environment (Windows/Linux) and network architecture.
- **Kaspersky Enterprise Space Security**: which comprises Kaspersky Business Space Security but extended to cover all messaging servers.
- **Kaspersky Total Space Security**: which protects the whole enterprise network by combining all the functions of Kaspersky Enterprise Space Security with protection for internet gateways and mobile terminals (PDAs and SmartPhones) and with an anti-spam module (SMTP, Linux).

- Computers: Microsoft Windows (including 64 bits) and Linux
- File servers: Microsoft Windows (including 64 bits), Novell Netware, Linux and Samba
- Mail servers: Microsoft Exchange, Lotus Notes/Domino and Linux
- Internet gateways: Microsoft ISA Server, Squid Proxy and Server Check Point FireWall
- Mobile devices: Symbian, Windows Mobile

**Kaspersky Hosted Security Services**

**The hosted security solution of Kaspersky Lab**

Kaspersky Hosted Security Services includes a range of services designed to protect businesses from the cyber-threats associated with SMTP, HTTP and FTP data flows and help them define and apply appropriate security strategies. Data traffic for the enterprise is diverted to Kaspersky Lab’s data centres, purged of all undesirable elements based on the IT security policy determined by the customer, and then injected to the customer’s intranet. Processing is extremely rapid (a few seconds at most). The solution covers the following elements:

- **Email Security**: protection of inward and outward bound SMTP flows
- **Web Security**: protection of inward and outward bound HTTP and FTP flows
- **IM Security**: protection of instant messaging systems

**Kaspersky SMB**

**Kaspersky Anti-Virus 7.0** provides triple protection for your PC against malicious internet programs.

**Kaspersky Internet Security 7.0**, based on Kaspersky Anti-Virus 7.0, includes extended security options such as a professional firewall, an anti-spam filter etc.
Colubris MultiService Controllers (MSC)

MSCs form the central nervous system of your wireless network. With form factors to fit any environment from a small office to a large campus, Colubris’ MSCs include modular software for public/guest Internet access, fast secure roaming and automatic configuration and management of Colubris MultiService Access Points. An embedded graphical user interface makes it easy to centrally configure and operate the entire WLAN.

MultiService Access Points (MAP)

Compact and reliable, Colubris MAPs deliver intelligence at the access-point level, handling all client-data packet forwarding and enforcement of security and QoS policies. Designed for plug-and-play deployment, MAPs can be controlled by MSCs, using an advanced protocol to automate configuration while ensuring continuous security and availability. They are offered in single and dual radio configurations and in either a plenum-rated indoor or NEMA-rated outdoor enclosure.

Network Management System (NMS)

NMS provides an integrated console for configuration and operation of large networks, consolidating information received from the network elements and graphically displaying it for ease-of-operation. A single NMS can manage large networks of thousands of controllers and access points at geographically remote locations.

RF Manager and Planner

The Radio Frequency Manager delivers to the wireless network the same comprehensive protection as a wired network firewall and IPS. It automatically identifies and prevents security risks and attacks, graphically displays the location of wireless devices, provides real-time network audits and assists in RF performance troubleshooting. The RF Planner accurately models WLAN coverage by factoring in physical variables and WLAN equipment characteristics. The Planner also facilitates deployment by enabling the assessment of security risks and generating equipment lists.
Sintel’s commitment to Quality

Rapid delivery and follow-up of orders

24 hour delivery: our commitment
All orders for products will be delivered in all major cities of EEC the following day if received the previous day before 1pm local time. Most of our products are available from stock.

Our deliveries: traceability
We use TNT Express for our deliveries. The packages we send you are identifiable and traceable so that you can be informed in real time as to the progress of your orders.

Your orders: confirmation
Each of your orders will be acknowledged with confirmation of the scheduled delivery date.

Delivery direct to your own customer: rapidity and efficiency
At your request and without extra cost, your order can be delivered direct to your own customer (in European Territories).

The Sintel Team is entirely at your service

A Sales Team responsive to your requests
Our sales team is available from 9am to 6.30pm local time and will give you an immediate response to 80% of your requests for prices or other information. More complex and specific projects will take us 48 hours at most. Count on us to propose the best possible solution to your requirements whether in terms of pre-purchase service, installation or maintenance.

Our Product Managers are there to serve you
Our product managers will be happy to visit your customers with you in order to help you define the best product solutions. They can then continue to help you implement your projects.

Our Technical Department is at your disposal
Sintel offers you a complete range of services adapted to your requirements, between 9am and 6:30pm local time from Monday to Friday

→ Our presence on site will guarantee you quality of installation and maintenance contracts provide you with the assurance of rapid repair or maintenance as well as with an extension of the applicable product warranties.

Our Website
For all your technical questions, don’t hesitate to visit our website: www.sintel.com,

→ Technical details for all our products
→ Demoware downloads
→ Numerous FAQs

Our Services

Sintel’s added value is a function of our knowledge of the market and of our technical and commercial know-how.
Our aim is to help our partners perform even better by placing Sintel’s know-how at their disposal everywhere throughout the EEC via a range of tailored services designed to support them at all stages of their projects: the audit of requirements, modelling, installation and maintenance.

These services can be grouped into 4 major offerings:

• Pre-sales service
• Assistance with installation
• After-sales support and maintenance
• Training

Pre-sales Service
Depending on the size and/or degree of importance of your project, Sintel will make its technical expertise available to you at no charge so as to help you design and/or validate your projects and those of your customers through the following services:

• Audit: Sintel’s teams can help you inspect your infrastructure, define requirements and identify potential solutions that take account of network and other constraints.
• Modelling: so as to ensure the solution is appropriate, our engineers will perform laboratory validation and let you try a functional model in one of our showrooms.

At your request, our engineers can also install an on-site platform, thereby enabling your customer to determine the pertinence of their choice of investment by trying out the product in their own environment. Two options are possible:

• Loan of the product: products can be installed on-site for 30 days at a cost of 15% of their outright purchase value. Such loans are subject to availability of stock and to a preliminary review.
• Try and buy: products can be ordered by the customer subject to return within 15 days of delivery if they do not meet requirements, in which case a credit note will be issued for the full value of the products ordered.

However it should be noted that either form of on-site model must obligatorily be associated with an installation assistance or training module (see below).
**Professional Services**

You want to be sure of the success of your customer installation? Nothing could be simpler: Sintel can offer you two types of service depending on the situation. The time required will be calculated by Sintel when we receive your prerequisites and we will guarantee our service on that basis.

- **On-site assistance** (installation, configuration and training)
  - 1 day on site: a fixed charge of €950 plus travel costs
  - 1/2 day on site: a fixed charge of €500 plus travel costs

- **Remote assistance** (include la consegna del materiale preconfigurato prerequisites supplied by the customer, remote assistance in setting up the equipment and remote training). This service must obligatorily be ordered at the same time as the product:
  - Assistance of 1h maximum: fixed charge of €150
  - Assistance of 3h maximum: fixed charge of €350

**After-sales Support and maintenance**

For any "Level 1" incident it is possible to call our hotline during office hours, without adding of any particular contract.

For "Level 2" incidents and other maintenance services, Sintel can offer you the following support solutions:

- **The TSC** (Telephone Support Contract) includes:
  - Assistance by telephone and registration of incidents (Support for Levels 1 and 2 incidents)
  - Minor updates to software
  - An extension of equipment warranty

- **The ARC** (Assistance and Replacement Contract) includes:
  - All the benefits of the TSC
  - In the event of equipment breakdown, loan of a replacement product within one to two business day (depends on countries)

**Tariff for Support contracts**

- **10%** Telephone Support Contract
- **15%** Assistance & Replacement Contract

**Training**

Throughout the year, Sintel offers its Partners a training programme covering the whole range of its products: Technical Training, Certification Programmes in partnership with product manufacturers, and also Sales Training. For all our Resellers, our training sessions provide the opportunity to discover one or several of our product ranges, to gain in proficiency or to obtain a professional certification.

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Please consult us at training@sintel.com for the dates of our courses

**List of our Professional Services**

- Audit ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Modelling ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Try & buy ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Deployment ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Telephone Support Contract ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Assistance and Replacement Contract ✔ ✔ ✔ ✔
- Level 1 technical training ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Level 2 technical training ✔ ✔ ✔ ✔ ✔ ✔ ✔
- Technical training leading to certification ✔ ✔ ✔
- Sales training ✔ ✔ ✔ ✔ ✔ ✔ ✔

Please consult us to discover our new Service offerings

**To take up our service offers**

Contact Sintel’s nearest office to you, or email at sales

sales@sintel.com
Useful numbers

Email / FAX Orders                      orders@sintel.com
Istanbul Office                        +90 212 213 12 02
Paris Office                           +33 1 30 85 44 45
Rome Office                            +39 6 474 22 71

Our Sales Team                        sales@sintel.com
Istanbul Office                        +90 212 336 95 85
Paris Office                           +33 1 30 85 44 44
Rome Office                            +39 6 42 87 21 23

If you wish to open an account, obtain information on product pricing, references or availability, progress your orders, configure a project or inquire about the latest developments in the market, our staff are at your entire disposal. Don’t hesitate to contact them, between 9am and 6.30pm, to help you!

Order & Delivery Progress             orderadmin@sintel.com
Istanbul Office                        +90 212 336 95 85
Paris Office                           +33 1 30 85 44 44
Rome Office                            +39 6 42 87 21 23

Training centre                       training@sintel.com
Istanbul Office                        +90 212 336 95 85
Paris Office                           +33 1 30 85 44 15
Rome Office                            +39 6 42 87 21 23

Our Support Team                      support@sintel.com
Istanbul Office                        +90 212 336 95 85
Paris Office                           +33 1 30 85 44 15
Rome Office                            +39 6 42 87 21 23

Depending on the level of your Support Contact, our engineers undertake to respond to your problems and assist you in respect of all our products, whether on a pre-purchase or after-sales basis, and in the event of urgent issues encountered during on-site installation, between 9am and 6.30pm local time from Monday to Friday. In all our offices we have English speaking staff.

3CX is an ideal phone system for enterprise who are looking for a simple but robust, flexible, scalable and reliable solution!

> Simple to install
> Easy to distribute
> Flexible and scalable
> Compatible with:
  - Traditional PSTN and VoIP providers
  - VegaStream FXS and FXO VoIP Gateways
  - SIP Phones,
    USB phones and headsets

Download our FREE Edition
on www.sintel.com or www.3cx.com