



Open up to the world... ...with NeXspan terminals

NeXspan

For Aastra, the switchover to IP is not just all about a change of technology. This transformation is an opportunity to open up fully to the world, and to use more flexible architectures, reduce overall procurement costs and protect investments better, thanks to expandable and upgradeable solutions, in accordance with market standards.

Over the years, Aastra has invested heavily in research and development projects aimed at promoting the concept of open telephony over IP, which comprises solutions that are increasingly independent of hardware and are based on the SIP protocol.

Aastra thus proposes, in its system portfolio, a wide range of SIP technology-based fixed and wireless terminals.

Open up to the IP world

Aastra proposes a range of two IP terminals and three digital terminals, including one that can be upgraded to IP.

Main features of the digital and IP terminals

- **Seamless scalability:** you can use the digital terminals on your existing system infrastructure
- **Compatibility with other technologies:** you can upgrade to IP whilst keeping the same terminal
- **User-friendliness:** the sets are easy to use thanks to their GSM terminal-based ergonomics

A full range of terminals, suited to the needs of every user

M725 "Call-by-name"

This digital terminal offers a variety of functions, including call by name.

It is easy to use, with a screen that enables the user to quickly read the caller or called party's name.

M740/i740 "The manager"

Available in IP (i740) or digital (M740) version, these are multi-line and multi-key terminals, specially designed to handle a large number of calls. They also offer a full duplex hands-free function as well as a headset socket.

M760/i760 "Open-ended evolution"

The M760 terminal can be upgraded to IP connectivity simply by adding a cartridge at the back of the terminal.

Terminals M760 and i760, basically meant to handle a large number of calls, benefit from an alphabetical keypad for managing and accessing the directories.

M760 and i760 terminals can be completed using extension modules with 20 programmable keys: M710 and M715; this latter contains a DECT charger.



“Switch over very simply to IP technology and enjoy the large variety of functions offered by NeXspan”



NeXspan SoftPhone i2052

Full voice and data integration

Your PC turns into a telephone terminal sublimating the functional commands of the keypad and the display of information on the screen.

Broad range of services

Thanks to user-friendly commands, the large variety of NeXspan functions is used in that the functions are accessible from the PC screen with just a few mouse clicks.

NeXspan Softphone (NSP) i2052: intrinsic mobility

Workers' mobility is facilitated in voice over IP mode: when mobile employees sometimes come to the company, they only need to log in to find all their telephone profile characteristics on a hot-desk PC.

Digital and IP terminals

NeXspan



	M725	M740 / i740	M760 / i760
Screen size (number of lines / characters)	1/16	1/16	2/40
Contrast and loudspeaker-volume control	•	•	•
Ringer control: volume, tone	• (1)	• (2)	• (2)
Distinctive ring tone		•	•
Interactive keys (screens)	• (4)		• (5)
Hands-free		•	•
Loudspeaker with signalling (LED)	•	•	•
Number of programmable keys (LED)	4	10	20
Intercom		•	•
Assistant / manager filtering	•	•	•
Display of caller name if in directory	•	•	•
Call duration display			•
Date and time display	•	•	•
M710 extension module with 20 programmable keys			2
M715 extension module with 20 programmable keys + DECT charger			1
Local private directory		20	100
Call by name	•	•	•
Direct search by name in the private directory		•	•
Redial / inbound call log	1/5	10/50	10/50
Call pick up without lifting the handset	•	•	•
Terminal programming on ATDC			•
Mute key	•	• (led)	• (led)
R ("Flashing") key / direct voicemail callback	•	•	•
Directory key	•	•	•
Set internal access + external access lock	•	•	•
Multi-line	•	•	•
Dial without off-hooking	•	•	•
Message LED (missed calls + voice mail)	•	•	•
Upgrade to IP			• (M760)
Ethernet switch		2 ports (i740)	2 ports (i760)

(1) 8 ring tones

(2) 16 ring tones

Communicate with complete freedom

Today, mobility is the catchword for competitive businesses



Open Mobility, the IP DECT offer

Open Mobility combines DECT proven technology and performance with IP flexibility. Aastra thus enables DECT technology users to gradually migrate to IP, by proposing this IP DECT solution.

The offer consists of:

- An internal RFP32IP base station and an external RFP34IP base station

They are connected directly to the company's LAN. To ensure handover and roaming, the DECT base stations are synchronised via the air interface. These base stations allow 8 simultaneous calls and can be powered remotely via the LAN (compatibility with standard 802.3af).

- Two new handsets: OpenPhone 27 et OpenPhone 28

Each DECT terminal is considered as a SIP subscription on the NeXspan platform. OpenPhone 28 has the Call Device for Isolated Workers that triggers an automatic emergency call in case of handset verticality loss.

The handset has equally been reinforced and is compliant with standard IP54 (resistance to dust and splash).

- Open Mobility Manager (OMM) software
This software manages and handles the processing of IP DECT calls. It is either installed on a DECT base station or on a dedicated, PC-type Linux computer server.



Key points of the Open Mobility solution

- It improves employee mobility
- It reduces deployment costs:
 - common voice/data infrastructure: the DECT base stations are connected directly to the company's LAN
 - wiring is simplified thanks to connection to the nearest LAN
 - base station extension to remote sites: LAN and WAN
- Traffic density is increased with 8 simultaneous communication channels
- Security is guaranteed through authentication and communication confidentiality

DECT mobility offer

NeXspan



OpenPhone 27

OpenPhone 28



	OpenPhone 27	OpenPhone 28
Dimensions	148 x 53 x 28	138 x 47 x 21
Weight	138 g	117 g
Screen dimension	Graphic: 5 lines	Graphic: 5 lines
Backlighting	• (screen + keypad)	• (screen)
Headset jack	•	•
Vibrate alert	•	•
Ring tones	30	30
Keypad lock	•	•
Handset, ring tone volume management	•	•
Integrated directory (memory card)	100 names	100 names
Languages	9	9
Redial (outbound call log)	10	10
Inbound call log, with time and date of call	30	30
"Automatic answer" function	Yes, in headset mode	
Mute	•	•
Message LED	•	•
Protection through code (manual + auto)	•	•
Hands-free	•	•
Loudspeaker	•	•
Autonomy	140 h standby time 14 h talk time	80 h standby time 10 h talk time
Silent mode	•	•
SOS key	•	•(1)

(1) Call Device for Isolated Workers

Digital DECT offer

Aastra proposes two handset ranges:

- entry-level terminals M910 and M915: functional and aesthetic, they are compatible with DECT and GAP standards
- terminals M920, M921 and M922, which offer a large number of functions such as the extended private directory for 100 numbers, call by name, call logs, etc

Associated with NeXspan platforms, M6241 DECT base stations are a radio infrastructure offering mobility services to users equipped with M92x or M91x DECT terminals.

Access to open telephony over IP



Today, Aastra offers the possibility to open up to the SIP (Session Initiation Protocol), which supports SIP softphones on PC or PDA and new SIP telephones.

Aastra has two types of SIP terminals in its catalogue, for both small and large companies:

- the 480i range, consisting of terminals 9112i, 9133i and 480i
- the 5xi range, with terminals 53i, 55i and 57i

Aastra SIP terminals are perfectly suited to very small and large companies. They offer high-quality IP telephony functions, at the least cost.

Aastra SIP terminals, associated with NeXspan platforms, allow the use of a telephony solution compatible with the existing infrastructure, while remaining open to future developments.

Key points of terminals 480i and 5xi

- Navigation keys which simplify access to the various functions.
- A message LED on the terminals indicates the presence of messages in the voicemail box.
- Whatever the terminals, they all have a screen, an inbound call log for 200 names, an outbound call log for 100 names, or even a personalised directory for 200 names.
- Terminals 57i and 480i have a large screen and are compatible with a set of personalised or generic XML applications, through simplified ergonomics.

Thus, users can have access to standard web services such as weather forecast or stock market sites. For companies, it is also an opportunity to give users access to personalised applications such as the corporate directory, or to vertical applications used to view customers' hotel room bill, room status management, etc.

- Terminals 55i and 57i can have extension modules which allow the use of additional programmable keys. The modules are of two types: one with paper labels, the other with an LCD.



53i



55i



57i and its extension module

SIP terminals

NeXspan

	480i range			5xi range		
	9112i	9133i	480i	53i	55i	57i
Features offered by the terminal						
Screen (number of lines)	3 ⁽¹⁾	3 ⁽¹⁾	8 ⁽¹⁾	3	8 ⁽¹⁾	11 ⁽¹⁾
Programmable keys	2	7	6	4	6	12 ⁽²⁾
Pre-programmed function keys	11	10	8	8	8+6 ⁽³⁾	8 ⁽³⁾
Multi-line screen (number of lines)		3 ⁽⁴⁾ (led)	4 ⁽⁴⁾ (led)	3 ⁽⁴⁾ (led)	4 ⁽⁴⁾ (led)	4 ⁽⁴⁾ (led)
Mute	•	•	•	•	•	•
Hold	•	•	•	•	•	•
Call pick up without lifting the handset	•	•	•	•	•	•
Redial key	•	•	•	•	•	•
Contrast control	•	•	•	•	•	•
Transfer / conference	•	•	•	•	•	•
Missed call indicator	•	•	•	•	•	•
Forwarding management	•	•	•	•	•	•
Loudspeaker	•	•	•	•	•	•
Hands-free	•	•	•	•	•	•
Headset jack	•	•	•	•	•	•
Handset / headset volume control	•	•	•	•	•	•
List of last inbound calls (names + numbers)	200	200	200	200	200	200
List of last outbound calls (names + numbers)	100	100	100	100	100	100
Personal directory (names + numbers)	200	200	200	200	200	200
Ringer with adjustable volume	•	•	•	•	•	•
Ring tones	•	•	•	•	•	•
XML	•	•	•	•	•	•
Network parameters						
Two-port 10/100 base T switch		•	•	•	•	•
802.1Q/P	•	•	•	•	•	•
DHCP	•	•	•	•	•	•
SNTP	•	•	•	•	•	•
Codecs						
G711	•	•	•	•	•	•
G729A	•	•	•	•	•	•
Electrical power supply						
802.3AF remote power supply		•	•	•	•	•
External power supply (basic)	•	•	•	•	•	•
Wall-mounting position	•	•	•	•	•	•
Administration, configuration						
Web interface (HTTP / HTTPS)	•	•	•	•	•	•
TFTP	•	•	•	•	•	•

(1) Backlighting

(2) 30 functions can be programmed

(3) 20 functions can be programmed

(4) Up to 9 lines

Welcome to the wireless world



Key points of the Aastra Phone 312 terminal

- Large colour screen
- Autonomy
- SIP compatibility
- Wide range of telephony functions

Aastra proposes Voice over Wireless LAN (VoWLAN) systems, which can be used together with or as an alternative to the integrated DECT solution on NeXspan IPBXs and IP DECT solutions.

Aastra's WLAN offer comprises the NeXspan SIP call processing server and **Aastra Phone 312** terminal.

This new solution uses the SIP protocol. It is based on standard technologies, completed through functions developed by Aastra in order to offer a more comprehensive voice-service level.

The **Aastra Phone 312** terminal is a wireless terminal, compliant with 802.11g - 54 Mbps. It combines innovative design with good voice quality and functional enhancements: large back-lit screen, hands-free mode, headset jack, vibrate alert, etc.

A memory card allows you to save personal contacts, handset personalisation data, network parameters and MAC address.

Thus, when you replace the handset, the memory card enables you to transfer the data in the old handset to the new one, without having to enter it again.

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Specifications

- 128x160 colour screen
- Memory card
- Personalised directory for 100 inputs
- Headset jack
- Vibrate alert
- Back-lit keypad
- Missed call indicator
- Silent mode
- Management of 30 different ring tones, with volume adjustment
- Personalisation of idle screen with an image
- Screen contrast management
- Alarm
- Automatic keypad lock

SIP telephony features

- Simple call
- Call transfer
- Call forwarding
- Pick-up
- Hold
- CLID / CNID
- Do not disturb

Management/administration

- Managing time manually or through the NTP server
- Management of 5 WLAN profiles
- Configuration through DHCP or manual configuration
- Codecs: G.711, G.729
- Remote software update via TFTP
- Manual update via TFTP, FTP, HTTP

Technical information

- Standards: 802.11 b, 802.11g
- Security: WEP-PSK, WPA1, WPA2-PSK
- QoS: WME-lite without TSPECS
- Battery autonomy:
5 hours in communication and
50 hours in idle mode



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