



Product Announcement

Aastra
A Mitel Company

Aastra SIP Phones - 6800i Series

The 6800i Series is a family of powerful and modern SIP-based phones offering advanced interoperability with all major IP Telephony platforms. The new series includes 4 phone models that provide a comprehensive offer to any small, medium or large enterprise.

Executive Summary

We are pleased to announce the release of the 6800i Series of SIP phones.

All Aastra enterprise-grade 6800i Series IP Telephones have a sleek and modern industrial design with remarkable HD wideband audio, an enhanced speakerphone and superior audio processing to achieve richer and clearer hands free conversations. All models feature a highly compact desktop footprint and cutting-edge eco-friendly features. The Aastra 6800i Series offers a range of phones with a breadth of features such as color graphical displays, GigE Ethernet ports, DHSG/EHS headset support, as well as an extensive array of accessories including expansion modules, detachable keyboards and wall mount.

We wish you success in selling the Aastra 6800i SIP phones in your market!

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1 Introduction to the 6800i Series SIP phones

1.1 Market Overview

The market for standards based IP endpoints is growing at a rapid pace with analysts predicting that the market for IP based clients and devices will grow at double digit rates over the next few years. The adoption of standards based SIP devices and clients is now globally trending higher with customers wanting investment protection and the option of selecting the best of breed products from multiple vendors.

SIP based solutions now dominate the communication landscape and address all markets and verticals. For hosted or premise based solutions, from multinational banks to your local florist shop, SIP endpoints provide customers choice, investment protection and productivity enhancing capabilities that deliver business value on a daily basis.

Today's SIP desktop phones, such as Aastra's 6800i Series SIP phones, offer customers and solution partners a range of features and capabilities at competitive price points that address this growing market.

1.2 6800i Series Overview

The 6800i Series is a family of powerful and modern SIP-based phones offering advanced interoperability with all major IP Telephony platforms. The new series includes 4 phone models that provide a comprehensive offer to any small, medium or large enterprise.



Aastra 6863i



Aastra 6865i



Aastra 6867i



Aastra 6869i

6800i Highlights

- 4 models providing comprehensive range of functionality and price points
- Elegant modern industrial design with compact footprint
- Suite of accessories including two expansion modules, full QWERTY keyboard and wall mount
- Outstanding audio delivering true HD voice clarity
- Extensive interoperability, SIP compliance and network integration
- Environmentally friendly design
- Comprehensive XML Application Support
- Extensive Software Features
- True enterprise grade quality SIP phones suitable for all global markets

2 Aastra 6800i Series Phones

2.1 6800i Series Overview

The 6800i Series is a family of powerful and modern SIP-based products offering advanced interoperability with all major IP Telephony platforms. All Aastra enterprise-grade 6800i Series IP telephones have a sleek and modern industrial design with remarkable HD wideband audio, an enhanced speakerphone and superior audio processing to achieve richer and clearer hands free conversations.

All models feature a highly compact desktop footprint and cutting-edge eco-friendly features. The Aastra 6800i Series offers a range of phones with a breadth of features such as color graphical displays, GigE Ethernet ports, DHSG/EHS headset support, as well as an extensive array of accessories including expansion modules, detachable keyboards and wall mount.



Aastra 6863i



Aastra 6865i



Aastra 6867i



Aastra 6869i

2.1.1 Comprehensive Range of Phones and Accessories

The 6800i series includes 4 phone models that provide a comprehensive offer to any small, medium or large enterprise. With price points and features to match the needs of customers worldwide, the Aastra 6800i series of phones are designed and built to true enterprise-grade quality levels. Aastra's years of experience in the communications equipment business has yet again delivered a class of phones and comprehensive set of accessories that turns the desk phone into a true productivity enhancing communication tool.

2.1.2 Remarkable Audio

All 6800i Series SIP Phones feature Aastra's High Definition Hi-Q™ audio technology to deliver enhanced performance and voice clarity. This phone series integrates HD wideband audio codecs, advanced audio processing and hardware components that support a true wideband frequency range. Moreover, they offer a superior voice experience on each audio path - handset, speakerphone or headset port, making conversations crystal clear and more life-like.

Even more impressive is the innovative design of the 6867i and 6869i speakerphone that utilizes dual microphones and advanced audio processing to achieve richer and clearer hands free conversations.

2.1.3 Extensive Interoperability, SIP Compliance and Network Integration

Years of experience in the communication equipment business and leadership position in the SIP standards desktop phone market has carried forward into the design of the 6800i series SIP phones, offering advanced interoperability with all major IP Telephony platforms. Nearly a decade of experience deploying SIP phones into the open standards market has resulted in one of the worlds most interoperable and SIP compliant desktop phones. The 6800i series design inherits the SIP capabilities of the 6700i series and marries it to the advanced hardware design of the new 6800i platform.

Interoperability extends beyond SIP compliance and into network infrastructure, edge devices and management platforms and there is no substitute for years of deployment into real world networks and the myriad of configurations and products from multiple vendors. The 6800i series of phones build on the experience of thousands of deployments worldwide providing integration to all the market leading brands of SBCs, Gateways, Routers, Switches and other IP networking equipment and services.

2.1.4 Environmentally Friendly

The 6800i range of phones offer an efficient PoE Class 1 model (6863i) and 2 PoE Class 2 models (6865i, 6867i) boasting large color display and dual GigE ports while maintaining PoE Class 2 levels of power consumption. The sophisticated design of the 6800i series offers dynamic PoE Class switching of the 6865i and 6867i, only allocating additional power for those users attaching optional expansion modules. The phones also support an optional Efficiency Level “V” compliant power adaptor if required. With smaller packaging that includes 100% recycled and biodegradable material, the Aastra 6800i Series is one of the most environmentally friendly family of SIP phones on the market.

2.1.5 XML Application Support

The 6800i Series of phones all support an extensive XML API which enables a vast range of capabilities further enhancing the value proposition of Aastra SIP phones. The advanced XML API covers configuration and management; CTI applications; control of LCD display and re-programming of function keys and also media path control.

Such API objects help Call Managers (PBXs etc) fully integrate Aastra SIP phones into their solutions to provide automatic deployment, dynamic configuration, centralized directories and call logs, visual voicemail and synchronized services such as Call Diversion, DND and hot desking. With such comprehensive control of the LCD and programmable keys, a wide variety of applications are easily created delivering further value to the desktop device. Applications such as school attendance for teachers, billing to cost centers for lawyers, obtaining live stock quotes or weather updates can all be at the fingertips of 6800i users.

2.1.6 Extensive Software Features

After years of deployment into the complex Open Standards market, Aastra SIP phones incorporate a feature set that rivals any available in the market today - extensive SIP compliance and network interoperability, far reaching management and configuration capabilities, extensive call control features, advanced security options, and intuitive user interface among many others. Such extensive features are available on all Aastra SIP phones with some models having extended capabilities to match the physical attributes of the phone.

A common software base for all 6800i models ensures consistency of integration and user experience. Continuous software development with periodic feature and maintenance releases maintains Aastra's leadership position and ensures both partners and customers can benefit for years to come with the adoption of Aastra SIP phones.

2.2 Aastra 6863i

The Aastra 6863i delivers exceptional value in an enterprise grade SIP desktop phone. With a sleek and thin modern design, the 6863i rivals other higher priced SIP products in its class with its features, flexibility and value. This 2-line SIP phone with its 2.75" 128x48 pixel monochrome LCD display, programmable hard keys and smaller desktop footprint is an ideal option for professional workers in business environments that have light telephone use requirements. Featuring a true HD handset and speakerphone, the 6863i offers remarkable wideband audio quality. Dual 100 BaseT Ethernet ports with a hardware-based Ethernet switch, advanced XML capabilities for configuration and custom applications and a PoE class 1 rating are just some of the many features this very affordable SIP phone has to offer.



2.2.1 Key Features and Functionality

- Monochrome LCD
- 128x48 pixels graphical display
- 2 x 100Mb Fast Ethernet Ports (LAN/PC)
- PoE Class 1 (~3.5W)
- Hard Keys
- 2 Line Keys (With LEDs)
- 2 Line support
- 4-way Navigation Key with Select/OK
- Wideband Speakerphone & Handset
- 2-Angle Reversible Stand (35° & 60°)
- Wall-Mount Support with Accessory
- Detachable Logo Plate, Branding options

- 3 Programmable Keys (No LED)
 - Pre-programmed for Callers, Redial, Transfer
 - Can be reprogrammed for other features
 - Paper-label as an option

2.2.1.1 Programmable Keys Option

The 6863i includes 3 programmable keys which are initially programmed to be Callers List, Redial and Transfer. If customers require alternative function keys, the 6863i has the option to add a paper label and re-program those 3 keys. This added flexibility makes the 6863i a versatile option for many applications.



Factory installed plastic plate
(Callers List, Redial, Transfer)



Key-plate Removed



Paper-strip Installed,
Clear plastic cover

2.3 Aastra 6865i

The Aastra 6865i offers exceptional flexibility in a true enterprise grade SIP desktop phone that can support up to 9 lines, has Dual Gigabit Ethernet ports and features a large 3.4" 128x48 pixel LCD display with soft white backlighting and large fonts, making the screen easy to read in any lighting conditions. With its 8 programmable keys, XML capabilities, native DHSG/EHS headset support, a true HD handset and a speakerphone that delivers remarkable wideband HD audio quality, the Aastra 6865i SIP phone is ideally suited for the small to large business market that needs Gigabit throughput for PC connectivity.



2.3.1 Key Features and Functionality

- Monochrome LCD with Backlight
- 128x48 pixels graphical display
- 2 GigE Ethernet Ports (LAN/PC)
- PoE Class 2 base phone
- Dynamic PoE Class change with expansion modules
- Hard Keys
- 2 Line Keys with LEDs
- Up To 9 Lines with LEDs
- 4-way Navigation Key with Select/OK
- 8 Programmable Keys with LEDs
- Wideband Speakerphone & Handset
- Headset Support (Modular 4-PIN & DHSG/EHS port)

- 2-Angle Reversible Stand (35° & 60°)
- Wall-Mount Support with Accessory
- Key Extension Module Support
- Detachable Logo Plate, Branding options

2.4 Aastra 6867i

Powerful, Expandable SIP Desktop Phone with Color Display

A 9-line SIP phone designed for power users who demand a lot from both their phones and their networks. The Aastra 6867i provides remarkable HD wideband audio and an enhanced speakerphone that utilizes dual microphones and advanced audio processing to achieve richer and clearer hands free conversations. Supporting today's high speed networks through dual Gigabit Ethernet ports, the 6867i offers a large color LCD display, 6 programmable soft keys (up to 20), 4 programmable context sensitive system keys and native DHSG/EHS headset support. When equipped with an optional detachable keyboard (K680i), and up to three expansion modules (M680i/M685i), the 6867i becomes a robust productivity-enhancing desktop communication tool. With its fully customizable hard key layout, XML capabilities and an environmentally efficient PoE Class 2 rating, the 6867i is one of the most advanced SIP desktop phones available on the market today.



2.4.1 Key Features and Functionality

- Color 3.5" QVGA 320x240 pixel TFT display
- 2 GigE Ethernet Ports (LAN/PC)
- PoE Class 2 base phone
- Dynamic PoE class change with expansion modules
- Hard Keys
- 2 Line Keys with LEDs

- Up To 9 Lines with LEDs
- 4-way Navigation Key with Select/OK
- 6 Programmable soft keys with LED's that can be customized to access up to a total of 20 functions
- 4 Programmable context sensitive Keys that can be customized to access up to a total of 18 functions
- Customizable Function Hard Keys (re-programmable)
 - L3, L4, DND, Voicemail, CFD etc with keycaps
- Wideband Speakerphone & Handset
- Headset Support (Modular 4-PIN & DHSG/EHS port)
- 2-Angle Reversible Stand (35° & 60°)
- Dual microphone voice processing (2 mics)
- Wall-Mount Support with Accessory
- USB 2.0 Type-A Jack
- Up to 3 Expansion Module Support

2.5 Aastra 6869i

Powerful, Expandable SIP Desktop Phone with Rich Color Display and Advanced Audio Processing

A 12-line SIP phone that boasts a large high resolution color display and delivers outstanding audio performance designed for power users who demand a lot from their phones. Supporting today's high speed networks through dual Gigabit Ethernet ports, the 6869i offers a large 4.3" color backlit LCD display, 12 programmable soft keys (up to 40), 5 programmable context sensitive system keys and native DHSG/EHS headset support. Offering remarkable HD wideband audio, an enhanced speakerphone that utilizes dual microphones, advanced audio processing and a unique audio design, the Aastra 6869i delivers rich and crystal clear hands free conversations. When equipped with an optional detachable keyboard, and up to three expansion modules, the 6869i becomes a robust productivity-enhancing desktop communication tool. With its fully customizable hard key layout, XML capabilities and environmentally efficient power consumption, the 6869i is one of the most advanced SIP desktop phones available on the market today.



2.5.1 Key Features and Functionality

- Color 4.3" 430x270 pixel TFT display
- 2 GigE Ethernet Ports (LAN/PC)
- PoE Class 3 base phone
- Hard Keys
- 2 Line Keys with LEDs
- Up To 12 Lines with LEDs

- 4-way Navigation Key with Select/OK
- 12 Programmable soft keys with LED's that can be customized to access up to a total of 40 functions
- 5 Programmable context sensitive Keys that can be customized to access up to a total of 24 functions
- Customizable Function Hard Keys (re-programmable)
 - L3, L4, DND, Voicemail, CFD etc with keycaps
- Wideband Speakerphone & Handset
- Headset Support (Modular 4-PIN & DHSG/EHS port)
- 2-Angle Reversible Stand (35° & 60°)
- Dual microphone voice processing (2 mics)
- Wall-Mount Support with Accessory
- USB 2.0 Type-A Jack
- Up to 3 Expansion Module Support

3 Aastra 6800i Series Accessories

3.1 Expansion Modules

Aastra offers a choice of two Expansion Modules enabling 6800i Series phones to become robust productivity-enhancing desktop communication tools. Powered directly from the phone, up to 3 modules can be daisy chained together providing additional programmable keys supporting advanced features such as shared call appearance (SCA), busy lamp field (BLF) and Speed Dial

3.1.1 M680i

The M680i Expansion Module is a compact and cost efficient addition for Aastra 6800i Series SIP phones providing 16 additional programming keys. Each key has a built in LED enabling support of advanced features like BLF, SCA as well as Speed Dial.

Features:

- Supported on the 6865i, 6867i and 6869i
- 16 programmable keys with LED
- Paper insert labeling
- Can be daisy chained with the M685i for a combined total of up to 3 modules
- Powered by the phone; no separate power adapter required



3.1.2 M685i

The color LCD display of the M685i Expansion Module is a perfect addition for the Aastra 6865i, 6867i and 6869i SIP phones. Providing 28 keys with LED and the ability to page through 3 sets of 28 keys gives outstanding flexibility and expandability.

Features:

- Supported on the 6865i, 6867i and 6869i
- 28 programmable softkeys with LED
- 4.3 inch Color Graphical display
- Can be daisy chained with the M680i for a combined total of up to 3 modules
- Powered by the phone; no separate power adapter required



3.2 K680i Keyboard

The K680i magnetically connected keyboard provides a full QWERTY keyboard for a more natural typing interface. The Keyboard helps to easily facilitate dial by name, directory search, interact with XML applications, enter directory and personal information, all with the ease of a full QWERTY keyboard.

Features:

- Supported on the 6867i and 6869i models
- Magnetically connects to phone
- QWERTY, QWERTZ, AZERTY versions
- Powered by the phone
- No cables or batteries are required



3.3 Wall-Mount Kit

All Aastra 6800i Series SIP phones can be mounted safely and securely. The wall mount kit has a two piece slide and lock design to facilitate easy installation and includes a short Ethernet cable making installation simple and efficient. With mounting positions typically below head height, the wall mount tilts the phone 10 degrees to enable easy reading of the LCD display.

Features:

- Harmonized mount supported on all 6800i Series
- SIP phones 2-piece slide & lock design for simple installation
- 1-fixed phone angle (10°) Screw lock features to prevent theft
- Includes short Ethernet cable



4 Supported Communication Servers

4.1 Aastra Communication Servers

6800i is supported with the following Aastra communication servers:

- MX-ONE®
- Aastra 400
- Aastra 5000
- Clearspan®
- Aastra 100 (OpenCom 100)

4.2 Third Party Call Managers

Years of experience in the communication equipment business and leadership position in the SIP standards desktop phone market has carried forward into the design of the 6800i series SIP phones, offering advanced interoperability with all major IP Telephony platforms that are SIP standards based. Nearly a decade of experience deploying SIP phones into the open standards market has resulted in one of the world's most interoperable and SIP compliant desktop phones. The 6800i series design inherits the SIP capabilities of the 6700i series and marries it to the advanced hardware design of the new 6800i platform.

5 Market Introduction

5.1 6800i Roll-out

6800i Series Phones	Release Schedule
3.3.1.SP3 GA firmware	April 18th 2014
Aastra Plan sales tool ready	April 4 th 2014
Clearspan R19SP1	April 2014
Product launch into distribution	April 2014
Product launch with Aastra 5000 R6.1	April 2014
Product launch with Aastra 400 R3.1	April 2014
Product launch with MX-ONE 6.0	September 2014
Product Launch with Aastra 100 (OpenCom 100) R12	December 2014

Above dates are GA release dates. Field Trial opportunities are significantly early, please contact product representatives for more information.

5.2 Product Availability

It is important to note that information provided in this document covers current planned models, accessories and spares even though not all SKU's will be available to order on initial product release. Information provided is intended to help partners prepare for initial and future product availability. Please validate availability prior to ordering.

6800i Series Phones	Estimated Shipping Date
6863i, 6865i, 6867i	April 2014
M680i	May 2014
Spares	May 2014
Wall Mount Kit	June 2014
K680i, M685i	August 2014
6869i	October 2014

Please contact your Aastra channel manager for further information on product introduction in your market.

5.3 Marketing and Communications

Marketing materials for the 6800i series are available and will be published on InfoChannel (<https://infochannel.aastra.com/>). Additional marketing collaterals (ads, banners etc.) will be added to InfoChannel when available.

Example content available:

5.3.1 Datasheets

A short factual collateral piece providing technical specifications of each model, accessories and family matrix.

5.3.2 Product Description

A comprehensive product overview detailing key functionality and attributes of the 6800i series and associated accessories.

5.3.3 Sales and Pre-Sales Presentations

Power point presentations describing the 6800i series phones, features, and capabilities.

5.3.4 Ordering Information Overview

General ordering information for the phones, accessories and spares.

For marketing material in other languages than English, please contact your local Aastra Country Sales Unit.

6 Education

Our training program is a fundamental stepping-stone to ensuring the right level of product knowledge and service quality. It is also a way for CSU service teams and our partners to be aware of the product's intended uses and learn about best practice methodology in order to build up the right competence needed to serve our customers efficiently and effectively.

Presale/Sales Presentation: Power point presentation describing the 6800i models, accessories, features and capabilities.

Available on InfoChannel (<https://infochannel.aastra.com/>).

7 Licensing

7.1.1 SIP Accounts/Extensions

Any user licensing requirements are determined by the communication platform the 6800i phones are connected to. No phone specific licensing is required for SIP user accounts.

7.1.2 AMR Codec

All 6800i series phones support AMR codec as a licensed feature. Available per MAC or via site license.

8 Pre-Sale Business Support

8.1 Tools and Services

8.1.1 Aastra InfoChannel

Information about the 6800i phones will be made available on Aastra InfoChannel (<https://infochannel.aastra.com/>).

Contact your Aastra channel manager for further information regarding access to Aastra InfoChannel.

8.1.2 Aastra Plan – Sales and Configuration Tool

Aastra Plan is to be used as the sales and configuration tool: <https://connect.aastra.com/connect/>.

Contact your Aastra channel manager for further information regarding access to Aastra Connect (Aastra Plan).

9 Acronyms

API	Application Programming Interface
BLF	Busy Lamp Field
CTI	Computer Telephony Integration
DHSG	Drahtlose Hör-Sprechgarnitur (a standard for telecommunication headsets)
DND	Do Not Disturb
EHS	Electronic Hook Switch
GigE	Gigabit Ethernet
HD	High Definition
Hi-Q	High Quality Audio Technology from Aastra
IP	Internet Protocol
LAN	Local Area Network
LCD	Liquid Crystal Display
LED	Light Emitting Diode
PBX	Private Branch Exchange
PC	Personal Computer
PoE	Power over Ethernet
SBC	Session Border Controller
SCA	Shared Call Appearance
SIP	Session Initiation Protocol
TFT	Thin Film Transistor
XML	Extensible Markup Language

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