

Technical overview

Control Unit

Eight digital extensions
Four analogue extensions
Ethernet port
Relays X 2
External Music on Hold
External paging port

Plug-in Modules:

Applications card with 2 channel voicemail and basic automated attendant (3 layer)
Battery back-up

Applications Card Licences

IP channels
Advanced AA (10)
Windows soft phone
Call Record
Downloadable MoH
Dial-in Conference
8 hours storage
VoIP Networking

Data Protocol Encapsulation

Multiple Protocol over ATM (MPoA) (RFC 1483)
PPP over ATM (PPPoA) (RFC 2364)
PPP over Ethernet (PPPoE) (RFC 2516)

Security

AES encryption for VoIP

System Management

Browser based local or remote programming using built-in http server
Local or remote configuration backup
Local or remote software upgrade
Remote diagnostics

Dial contacts from your PC

The CTI application allows dial-out from Microsoft Outlook Contacts using the desktop PC to set up your calls.

Voice over IP

Codec's Supported: G711, G.723.1, G729a
Quality of Service (QoS): 802.1p/q (Subject to LAN infrastructure)
Echo and silence suppression
Echo cancellation G.165/G.168 including NLP 16ms tail length
AES encryption algorithm for all call set-up and voice streams
Email forwarding codec G.723

Physical Interfaces

Four ISDN basic accesses RJ45
Eight 2-wire digital extensions cage clamp
Four a/ b extensions cage clamp
Ethernet LAN port RJ45
External relays (x2) cage clamp
External Music on Hold input audio jack 5mm
PA port audio jack 5mm
Back-up battery screw terminals

Power

110V / 220V / 240V ac ac (market dependent)
12V optional battery back-up

Voice functionality

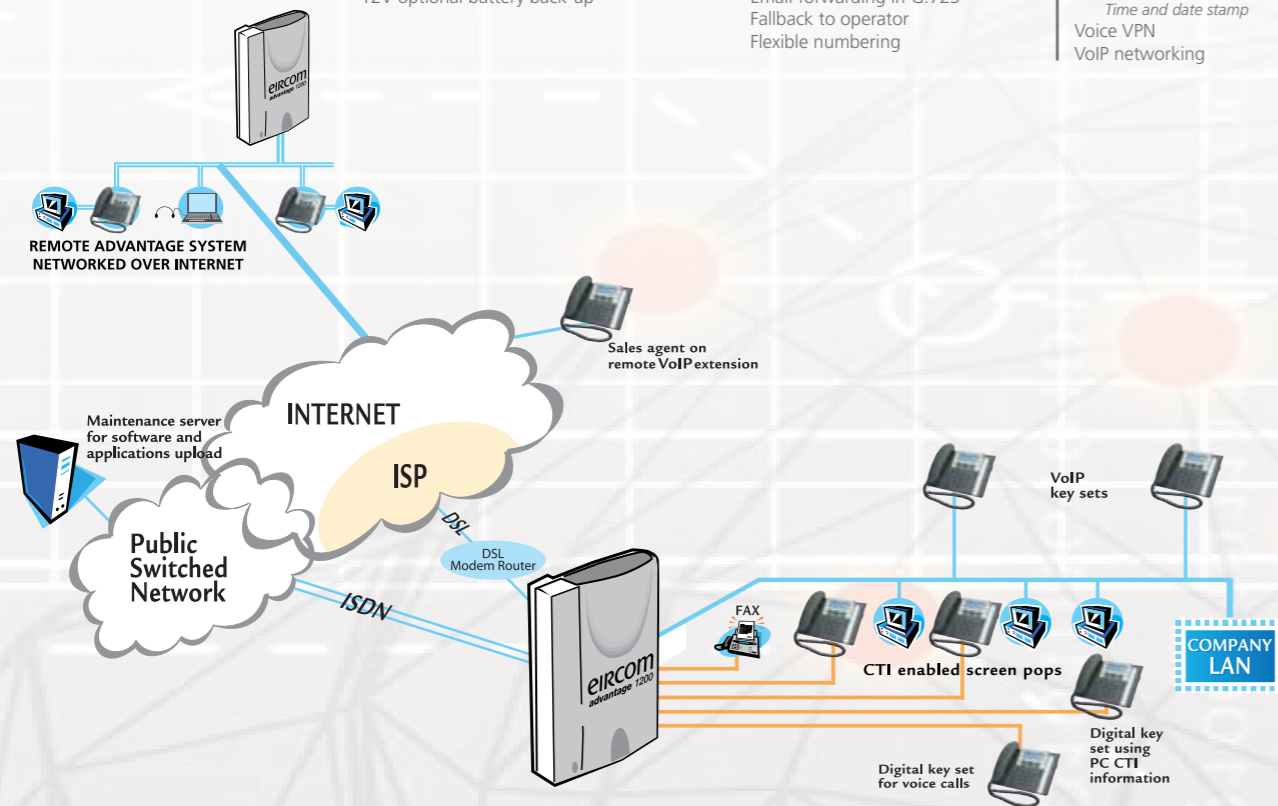
Alarm clock calls
Analogue CLI (on lines and extensions)
Auto attendant
Call queuing
Interactive Voice response
Out of hours mailbox
Barge-in
Browser based system programming
Browser based user programming
Call-back
Call Barring
Call Brokerage
Call Forward
Forward all
Forward no answer
Forward on busy
External or internal Forward
Reprogram Call Forward remotely
Call Hold
Call Lists
Missed call list (up to 10 calls)
Dialled
Received
Callback
Delete
Store to address book
Timestamp
Call Logging
Call Park
Call Pick-up/ Call Pick-off
Call Protection
Call Transfer
Call Waiting (internal and external)
Click to Dial from Outlook Contacts
CLIP, CLIR
Conference Call (Internal and External)
Digital key sets (2-wire)
Do not disturb
Enquiry Call
Email forwarding in G.723
Fallback to operator
Flexible numbering

Groups

Cyclical start hunting
Dedicated mailboxes
Fixed start hunting
Group diversion
Group mailbox
Missed call list per group
Opt in / opt out of group
Up to 10 groups
Headset ready
Hotline
Installation wizard
IP key sets
Least cost routing
MSN ringing assignment
MSN restriction
Networking of multiple systems
Night service
Paging
PA Port
System phones
Phone Book
800 entries system wide
200 common entries
50 entries per extension
Internal extension list
Programmable keys, 16
Re-dial (last 10 numbers)
Ringing Modes, 5
Roaming PIN
User PIN codes
Voicemail
2 or 4 channels or more
2 to 12 hours storage time
Busy message
Call-back
Caller ID
Change Call Forward remotely
Change welcome message remotely
Dictaphone message
Forwarding
Greeting messages
Time and date stamp
Voice VPN
VoIP networking

advantage 1200

The flexible communications solution for small business



Converged voice and data platform
For up to 12 users

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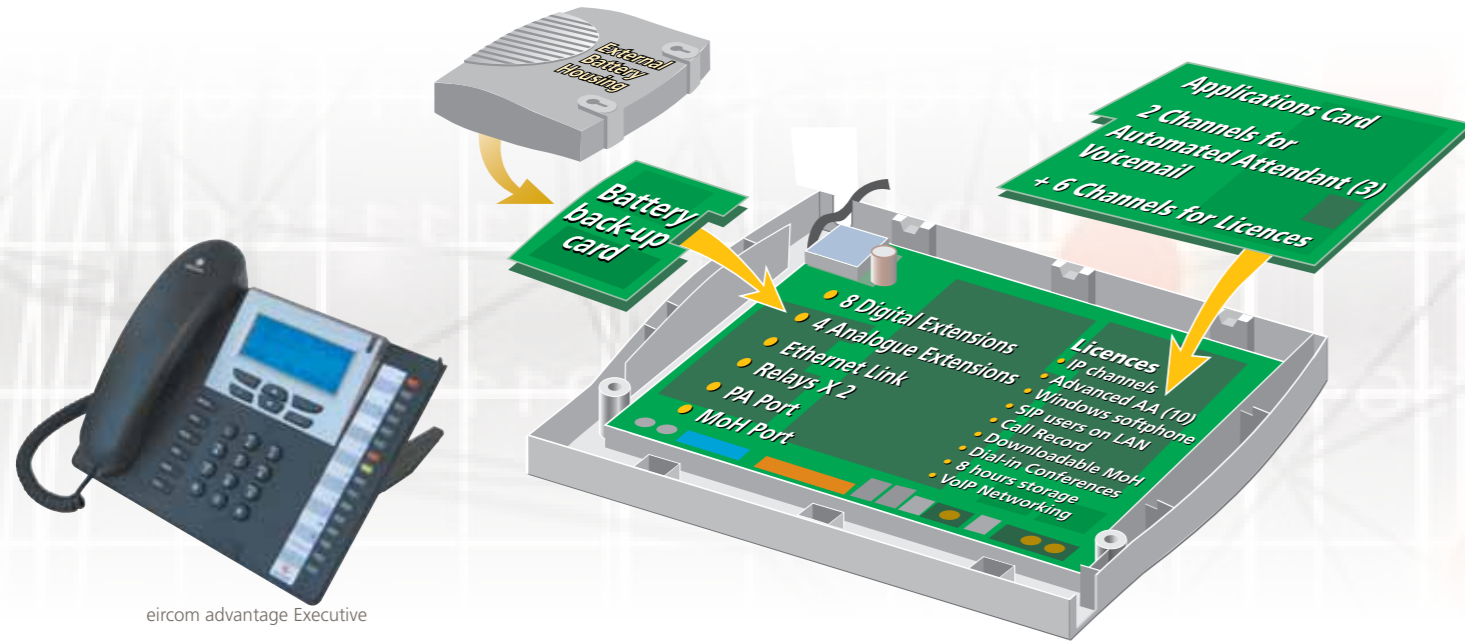




eircom advantage Executive set with DSS Module

The complete small business communications solution

eircom advantage 1200 integrates all the voice communications needs of a small business on an IP-ready platform which can be configured for ISDN lines and SIP trunks, with automated attendant, voicemail and CTI based click to dial functionality in conjunction with Microsoft Outlook Contacts. Design excellence combines ease of use and high functionality in one cost effective communications tool.



eircom advantage Executive

Flexible voice solution

eircom advantage 1200 is a flexible voice and data switch with in-built Ethernet port. The system has 4 ISDN basic accesses (8 channels), 8 digital extension interfaces and 4 analogue extensions. An applications card with up to 8 channels for automated attendant, voice mail, call record, voice over IP and soft phones etc. may be added to turn your eircom advantage 1200 into a comprehensive communications gateway.

Traditional voice switch reliability in a gateway of the future

While eircom advantage 1200 can support remote IP key sets across the Internet, it can also interface calls from IP key sets, digital key sets and standard two-wire sets to each other and to the traditional public switched ISDN network. This means there's no need to cut the traditional lifelines until you're satisfied that the reliability of the Internet has reached the level required for the most important business calls.



advantage windows PC softphone

Download additional applications

The optional Applications card comes equipped with basic Automated Attendant (3 layers) and 2 channels of Voicemail, with email forwarding of voicemails as WAV attachments, and 4 hours storage. It has a capacity of up to eight channels and twelve hours of storage that can be assigned among the following licensing options:

- Additional Voice Mail Channels and multilayer Auto Attendant (10 interactive messages)
- Music on Hold, downloadable WAV or MP3 up to 45 minutes
- Call Recording and email forwarding of voice calls on a global or individual call basis
- Voice over IP User Licences for VoIP compression and echo cancellation
- Secure (AES encrypted) remote IP system phones over the Internet
- Dial-in Meet-me Conference room for up to seven participants
- Windows Soft phone registration (also requires an IP compression channel)
- SIP users on the LAN
- Additional 8 hour storage
- VoIP networking of multiple Advantage systems



eircom advantage standard

Voice over IP

The optional Applications card accommodates up to four channels of voice over IP traffic with voice compression, for optimum use of available bandwidth and echo cancellation. These channels may be used to give home workers with eircom advantage IP Executive keysets full system phone functionality over a broadband connection. IP key sets may also be connected to the system via Ethernet across the in-house company LAN, eliminating the need for two sets of wiring to the users desktop.

Voice mail with email forwarding and auto attendant

Individual and group voice mails may be forwarded to your email in-box. You can record and forward messages and Dictaphone messages to colleagues. When you are out of the office you can alter your messages and your settings and change your call forwarding destination from your mobile phone. When traveling, you can dial in to your voice mail messages or have them forwarded by email. Automated attendants can be programmed for day and night modes, ring groups and queuing.

IP Security against intrusion

Internet calls from the eircom advantage 1200 key sets are secure against eavesdropping. All Voice over IP connections, call set-up and voice streams, are encrypted using a highly secure encryption algorithm (AES, as used by the United States government) to give a virtually impenetrable VPN.

Digital and IP system phone options

The Executive digital and IP key sets have 4-line display with context sensitive navigation keys and a Direct Station Select (DSS) module option. The Standard 2-wire digital key set is full hands-free with single line display.

Remote maintenance with firmware upload

New firmware and additional features may be uploaded remotely to the system, safely and securely, without a service engineer visit. The system may also be configured remotely.

Remote extensions for teleworkers

A home worker can be securely connected as a virtual extension to the eircom advantage 1200 over the Internet, using an IP Executive key set. After stepping through the wizard to configure the IP key set, a home office-based worker can simply plug the phone into a power source, connect it to a home broadband router, and it's operational. This allows the home worker to make and receive internal or external calls and access the features of the system, via a highly secure tunnel, just like any other extension even though he or she may be located on a different continent. The only cost for the remote worker is the cost of the local Internet access connection. This option exploits the benefit of always-on ADSL.

Call Record with email forwarding

Call record channels are available on the optional Applications card. A user may then record calls or portions of calls to their voice mailbox using a single key press to activate/deactivate the recording. Alternatively, the system may be programmed so that all calls to particular extensions are recorded. As soon as recorded calls are terminated, the recording is stored in the voice mailbox and a wav file containing the recorded conversation is forwarded to the email address associated with that particular extension, for storage on their PC.

Dial from your PC

The CTI application allows dial-out from Microsoft Outlook Contacts using the desktop PC to set up your calls.

Call routing

eircom advantage 1200 can be programmed to provide an optimum routing for specific groups of calls, such as international or cell phone calls. This feature can be used to route calls via the lowest cost network or to accommodate a public network based VPN.

VoIP Networking

Up to 100 advantage systems may be networked over broadband using a single common numbering plan. Users can make calls between sites and transfer calls between sites at no cost, e.g. a call rings into the Dublin head office and is then transferred to the Cork branch over broadband. Features include caller ID and name transparency between sites. The ideal way to seamlessly link branch offices together to form a single business communications network.

Meet-Me Conference

The advantage system has a conference bridge for up to seven dial-in parties. These can be either internal extensions or external callers. The conference bridge has a name which is displayed on the system phones during the conference. The conference can be recorded and emailed to all the internal parties on the call. The conference facility is PIN protected for security purposes and tones are used to alert the participants when a party enters or leaves the conference.

