

Operafone IP Executive



The Operafone IP Executive is a user friendly VoIP Terminal for use with the Opera Flexicom and Opera 4.12em systems. It can be used as a fully featured key set, with line and extension status and access, for the home worker over the Internet or connected directly to the in-house company LAN.

Features

Supports all the digital keyset features.

- 3 Way calling Conference
- Call Lists: Missed Calls, Made Calls, Received Calls
- Call Forward Unconditional,
- Call Forward on no Answer,
- Call Forward on Busy
- Call Waiting
- Call Hold
- Call Transfer
- Caller ID with caller name matching
- CLIP/CLIR
- Full Hands Free
- Message Waiting Indicator
- Phone Directory, Personal Telephone Book & Common Address book
- Reject, Redial, Mute
- Speed Dialling Keys
- Time, Date & day of week on display
- Volume Control



Remote Worker solution

Requirements at Remote site

- Operafone IP Executive terminal
- Always-on DSL line with no need for a fixed IP address
- The default ADSL router setting will normally be sufficient on the remote site (e.g. Netopia modem/router).

Requirements at Head office site

- The Opera system must be equipped with an Applications card with one IP channel license per user (maximum 8).
- Always-on DSL line with a Fixed IP address.
- One fixed IP address from within the customers private address range for the Opera system
- LAN port adjacent to Opera system for connection of the to customer's LAN
- Port forwarding is required at the head office router, as follows.
 - 5075 TCP forwarded to the Opera Flexicom
 - 50000 UDP forwarded to the Opera Flexicom
 - 50001 UDP forwarded to the Opera Flexicom

Note: The firewall may need to be lowered one level to allow pinholes operate, e.g. in the case of a Netopia modem router, in order to allow the rules you set to be obeyed. It doesn't affect any other aspect of security.

LAN IP solution

- The Opera system must be equipped with an Applications card with one IP channel license per user (maximum 8).
- One valid IP address for the Opera system from within the customer's private LAN address range.
- LAN port adjacent to the Opera system to facilitate connection to the customer's LAN.

Security

A Unique extension name and password is used for each remote worker.
All connections (e.g. call set-up) and voice streams are encrypted using a highly secure encryption algorithm (AES, as used by the US government).

Recommendations

Up to 8 remote workers supported: these may be on one site, subject to bandwidth availability.

Application Card required for compression and echo cancellation

One application card channel is required per IP terminal, to avoid contention.

IP phone default compression is G.729 (ca 8kbits/sec).

Technical Specifications

Automatic Configuration and address assignment via DHCP Protocols (RFC 2131)

Protocols supported: TCP/IP (RFC 793), RTP (RFC 1889), UDP (RFC 768), TFTP (RFC 4173), DHCP (RFC 2131), DNS (RFC 2874), HTTP (RFC 2616)

Codecs Supported: G.711, G.723.1, G.729a

QoS supported (802.1p/q)

Echo and silence suppression in handset and in hands-free mode

Dynamic jitter Buffer,

Fully configurable via browser interface for remote maintenance

Firmware upgradeable via browser interface and TFTP server

Integrated 2-port hub

Upstream port to PC

Power: Plug-Top PSU; Power over LAN (802.3af) option

Proprietary IP Signalling

Physical Characteristics

4-line x 20 character back-lit display

Context sensitive navigation keys

Full Hands free Operation

Electronic Headset Volume Control

Electronic loudspeaker Volume Control

Electronic Ringer volume Control

Fixed Function Keys x 6, with dual colour LEDs

Programmable Keys x 16, with dual colour LEDs

Integrated 2 port hub allowing a single cable to the workstation

Optional DSS (Direct Station Select) expansion module with 48 keys and dual colour LEDs.

