

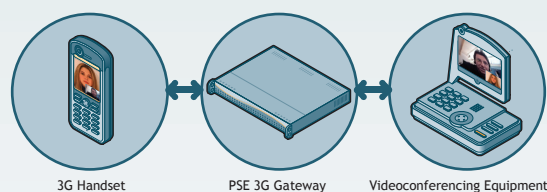


# mirial



## PSE 3G Gateway

Extend your IP video network by enabling calls between 3G phones and any videoconferencing equipment.



### PSE 3G Gateway

Mirial PSE 3G Gateway (PSE.3GGW) is a network element that acts as a bridge between 3G and IP networks. It supports industry standard protocols including BRI and PRI interfaces, and interoperates with all standards-based 3G handsets and IP endpoints on SIP and H.323 networks.

PSE.3GGW enables 3G users to participate in a multipoint IP videoconference simply by using a third-generation mobile phone, improving visual communications, enhancing collaboration tasks and increasing the productivity within the enterprise.



### Highlights

- ➔ Embedded Video IVR (Address Book / Dial Extension)
- ➔ Enables PC to 3G handsets videocalls and viceversa
- ➔ Enables 3G users to participate in IP multiconferences
- ➔ Enables different 3G video services such as
  - 3G video portal
  - 3G video mail
  - 3G video contact center
  - 3G video streaming
  - 3G video blog
  - 3G video chat / dating
- ➔ Support for H.323 and SIP on IP networks
- ➔ Embedded gatekeeper
- ➔ Vertical and horizontal scalability
- ➔ Compact appliance (1RU), small footprint

### Features and Benefits

PSE 3G Gateway is an open-standard and protocols-compliant gateway to connect IP and 3G H.324M networks. Thanks to its field-proven interoperability and ease of use, it is the preferred choice in the enterprise and service provider space.

Connects IP and 3G networks	Extends the reach and functionality of your videoconferencing infrastructure
Support for BRI or PRI interfaces; scalability	Allows for an investment based on actual needs
H.323 and SIP; IMS ready	No need for additional SIP boards

# PSE 3G Gateway (PSE.3GGW) Specifications

## IP supported protocols

ITU-T H.323 v.4  
SIP RFC-3261  
SIP Microsoft Office Communications Server™ extensions

## CS supported protocols

3GPP-324M  
ITU-T H.324M  
ITU-T H.223 (Annex A, B)  
ITU-T G.711 (Audio only calls)

## Audio Codecs

Standard: G.711  $\mu$ -law / A-law, G.723.1, AMR (all 8 rates)  
AMR <-> G.711, AMR <-> G.723.1 online transcoding

## Video Codecs

Standard: H.263, MPEG4\*, H.264\*  
Size: QCIF (176x144), SQCIF (128x96)  
Framerate: up to 30fps

## Management

Embedded web server  
Complete web based management  
Advanced Call Routing to and from 3G or IP  
Wizard for call routing rules creation and testing  
Support for SNMP v2/v3 MIBs  
Comprehensive CDRs

## Additional Features

Embedded Video IVR (auto attendant)  
Embedded Gatekeeper

## ISDN BRI and PRI Interfaces

BRI Basic rate interface (RJ45 connector)

Protocols: ETSI-DSS1 (Euro-ISDN), NET3 (Belgium), VN3/VN4/VN6 (France), 1TR6 (Germany), INS-64 (Japan), 5ESS Custom (North America), National ISDN (North America), OnRamp (Australia), Nortel DMS100

PRI Primary rate interface (E1/T1/J1, RJ45 connector)

Protocols: ETSI-DSS1 (Euro-ISDN), NI-1 (North America, National ISDN 1), 1TR6 (Germany), NET3 (Belgium), VN3 (France), VN4/6 (France), 4ESS (North America, Lucent, AT&T), 5ESS (North America, Lucent, AT&T), DMS100 (North America, Nortel), INS-1500 (Japan), E1 (China), E1 (India), OnRamp (Australia), Nortel DMS100, Siemens EWSD

## Ethernet Interfaces

2 x Gigabit Ethernet

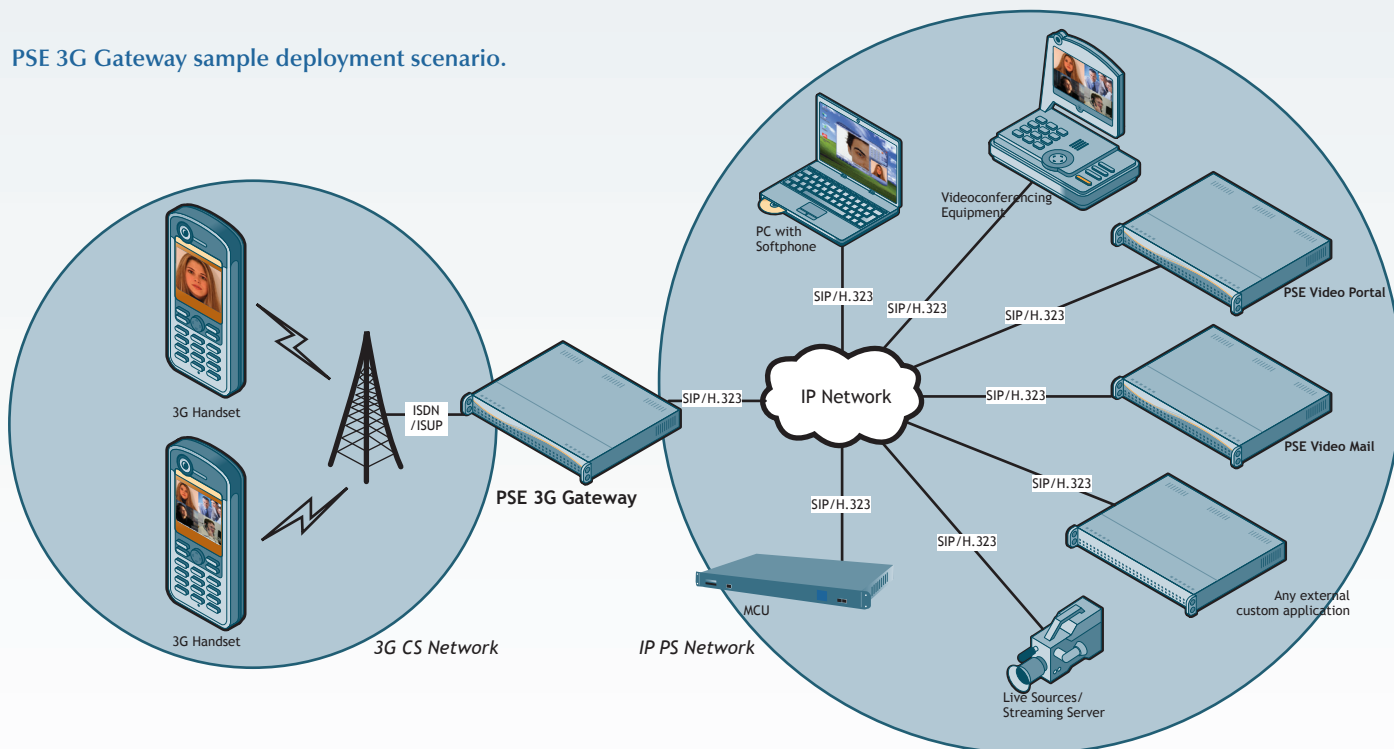
## System Capacity

Model	Ports	Interface
PSE.3GGW_04	4	BRI
PSE.3GGW_08	8	BRI
PSE.3GGW_15	15	PRI
PSE.3GGW_30	30	PRI
PSE.3GGW_60	60	PRI

## Hardware

19" rack mountable (1RU)  
Height 43.5 mm, Width 433 mm  
Depth 419 mm, Weight 10.3 kg  
Power 100-240 VAC, 50/60Hz  
250 W max power consumption

## PSE 3G Gateway sample deployment scenario.



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