

Positron G-640 E1/T1 PRI Office Gateway



Product Name: Positron G-640 E1/T1 PRI Office Gateway

Manufacturer: -

Model Number: G-640

Availability: May 2011

Positron G-640 E1/T1 PRI Office Gateway

The G-640 E1/T1 PRI Office Gateway is a powerful networking solution that will allow seamless communication for Enterprises in their migration to VoIP networks by providing integrated E1/T1 PRI interfaces that can be directly connected to a PBX for transparent encapsulation of voice calls into VoIP packets. Not only does the G-640 E1/T1 PRI Office Gateway transparently provide the gateway functionality between the legacy voice and VoIP interfaces it can also perform advanced, automatic routing of calls, high performance voice compression for network optimization and can even automatically failover to the integrated GSM interfaces for network failure or least cost routing rules. Features and Benefits

• Seamless Voice Routing - Quickly build a powerful routing & rules table that will direct voice calls to lower cost networks automatically

• VoIP Migration without the need to Change your Voice PBX - The G-640 Office Gateway will transparently connect to your existing network interface and efficiently convert all voice traffic to a high priority VOIP traffic link that is 100% transparent to your existing legacy PBX

• Automatic Failover between Voice Networks - Automatic trunk failure detection and route failover definition between PRI / GSM / Ethernet / 3G / FXO interfaces

• High Scalability - Four E1/T1 PRI, 10/100/1000 Mbps Ethernet and Voice Transcoding of G.729, G.711, G.722.1c and AMR codecs to 120 simultaneous channels make this a super scalable solution

Highlights:

• 120 Voice Transcoding Session: G.711, G.729, G.722.1c, AMR

• QUAD E1/T1 PRI Interfaces

• 4/8 GSM Interfaces (850/900/1800/1900 MHZ) with easy SIM management

• Dual Hot Swap Power Supplies

• Supports Multiple Simultaneous SIP Trunk Accounts

• Real Time Status Monitoring

• Automatic Route Selection

• PRI to GSM to SIP Trunk Gateway

• QUAD 10/100/1000 Mbps Switch

• Remote Management

• Tone Detection

• Hardware Echo cancellation

QUAD E1/T1/PRI for connection to the telephone network or PBX

• Dual Foreign Exchange Station (FXS) port for connecting a phone or fax machine

• Dual FXO interfaces for connection to PSTN network

• Hardware based G.168 echo cancellation chip up to 128ms tail length

• Four port Ethernet Switch 10/100 /1000 Mbps auto MDIX Ethernet port

• Dual USB ports

• Audio Input (mono) jack

• Audio Output (mono) jack

• 4 / 8 GSM / EDGE 850 / 900 / 1800 / 1900 MHZ

Interfaces

Positron G-640 E1/T1 PRI Office Gateway

- 1/2 Telephone Interface
- 1/2 Network Interface
- 1/2 LED indicators
- 1/2 Audio Input
- 1/2 Audio Output
- 1/2 USB

Codes Support

- 1/2 G.711 ulaw & alaw
- 1/2 5.729, G.722.1 c, AMR

Environmental

- 1/2 Operating range: 0-40°C
- 1/2 Humidity: 10% - 80%
- 1/2 Storage: -20°C - 85°C

Warranty

- 1/2 2 years
- 1/2 Four E1/T1/PRI, R1-45,
- 1/2 Four 10/100 Mbps R1-45
- 1/2 Power, Fault, Network, Link speed
- 1/2 Male Stereo Jack 1/8
- 1/2 Male Stereo Jack 1/8 USB 2.0 (11Mbps)

Dimensions

- 1/2 L: 2050 mm (8.2 inches)
- 1/2 D: 168 mm (6.6 inches)
- 1/2 H: 500 mm (2 inches)
- 1/2 Standards & Approvals
- 1/2 FCC Part 68
- 1/2 CE Mark
- 1/2 EMC: FCC Part 15

General features

- 1/2 Quad-Band
- 1/2 GSM/EDGE 850/900/1800/1900MHz
- 1/2 GPRS /EDGE multi-slot class 12
- 1/2 Coding scheme: CS1-4, MS1-9
- 1/2 Mobile station class B
- 1/2 Low power consumption

Specifications for data:

- 1/2 CSD: up to 14.4Kbps, non-transparent GPRS: max: 85.6Kbps
- 1/2 EDGE: DL&UL max: 236.8Kbps
- 1/2 Coding scheme: CS1-4, MCS1-9

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Specifications for voice

iL1/2 Half Rate (ETS 06.20)

iL1/2 Full Rate (ETS 06.10)

iL1/2 Enhanced Full Rate

iL1/2 Echo cancellation

iL1/2 Noise reduction

iL1/2 AMR

Please Enquire
