

ESEYE Integrated Enterprise Communications Router

Secure and reliable global communications for your enterprise, machines, systems or remote networks.

As a true one-stop shop for large or small scale communications suitable for anything from enterprises to branch offices, teleworkers and Machine-to-Machine (M2M) applications the HERA800 is an integrated communications service router designed to meet all your business communication needs. Providing 3G/LTE Wi-Fi, VDSL and Ethernet WAN, it can be effortlessly deployed and managed through its TR069 interface enabling remote access and programming as well as network steering. Small and compact in design yet robust, the HERA800 features flexible installation on a shelf, screwed to a wall or mounted in a rack.



Key Features

- Integrated 3G/LTE wireless, VDSL and Ethernet WAN with flexible failover and wirespeed routing
- Flexible voice options – FXS, ISDN BRI/PRI with registrar and SBC functionality
- Industry-standard TR-069 provisioning and management for effortless deployment
- USB and E-sata connections
- Optional WLAN, 2.4Ghz or combined 2.4GHz/5Ghz frequencies and IEEE 802.11n 2.0 support with compatibility to 802.11g delivering high bandwidth data, voice and video mobile applications as well as Multi-Input Multi-Output (MIMO) support increasing throughput, reliability and coverage

Expert advice, excellent support, outstanding M2M solutions

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Pre-Release Draft.
May be subject to
change.

SPECIFICATION

ES2164/65/66 HERA800 SERIES

Specifications

CELLULAR INTERFACES

- Dual SIM
- Chip SIM Support
- Antenna: Cellular - 50 Ohm SMA
- Rx Diversity
- Option on 3G/LTE support

3G HSPDA+ Models

- UMTS HSPA 850/900/1900/2100 MHz
GSM/GPRS/EDGE 850/900/1800/1900 MHz
- Up to 21.1 MBps Downstream
 - Up to 5.6MBps Upstream

LTE Models (EU)

- LTE 800/900/1800/2100/2600 MHz
UMTS HSPA 900/2100 MHz
GSM/GPRS/EDGE 900/1800/1900 MHz
- Up to 100 MBps Downstream
 - Up to 50 MBps Upstream

LTE Models (AT&T/NTT)

- LTE 700(B17)/AWS
UMTS HSPA 850/1900/2100 MHz
GSM/GPRS/EDGE 850/900/1800/1900 MHz
- Up to 100 MBps Downstream
 - Up to 50 MBps Upstream

LTE Models (Verizon)

- LTE 700(B13)
CDMA 800/1900 MHz
- Up to 100 MBps Downstream
 - Up to 50 MBps Upstream

DATA & ROUTING

- IPv6 and IPv4
- Wirespeed routing using hardware acceleration
- PPP with PAP/CHAP security
- VLAN termination
- Up to 16 LAN subnets
- RIP v1/v2, BGPv4
- IP Multicast forwarding
- IGMP v1/v2 & Proxy
- DHCP server, client, relay
- DNS client, relay
- Virtual Router Redundancy Protocol (VRRP)
- Loopback Interfaces

ETHERNET

- 10/100/1000base T/TX
- Auto MDI/MDIX
- 1x dedicated Ethernet WAN (RJ45)
- 4x flexible Ethernet ports (RJ-45)

Order Codes

3G: ES2164EU, USA: ES2164US, AUSTRALIA ES2164AUS, **LTE :** ES2165EU, USA: ES2165US, AUSTRALIA ES2165AUS

Please note, these specifications may be subject to change without prior notice.

QUALITY OF SERVICE

- IP: TOS/DSCP bit prioritisation
- 802.11q VLAN tagging and prioritisation
- Packet classifier and metering
- Transmit scheduler
- Algorithmic dropping
- Industry-standard ATM QoS

CONFIGURATION & MANAGEMENT

- Telnet, Simple Network Management Protocol (SNMP) V1 & V2, Secure Shell (SSH) Protocol, Command Line Interface (CLI), HTTP and HTTPS management
- Firmware Updates using TR.069, TFTP, FTP, HTTP & HTTPS
- Broadband Forum TR.69, TR.111
- RADIUS and TACACS+

VPN

- IPsec termination and initiation
- LAN-to-LAN and teleworker-to-LAN VPN
- Manual keys
- Authentication: Null, MD5 and SHA-1
- Internet Key Exchange (IKE)
- Authentication pre-shared Key
- Digital Signature Algorithm (DSA)
- Rivest, Shamir and Adleman (RSA)
- Hardware Acceleration
- Triple Data Encryption Standard (3DES)
- Data Encryption Standard (DES)
- Advanced Encryption Standard (AES)
- IP Sec over IPV4 and IPV6

ADSL/VDSL

- ADSL/ADSL2/ADSL2+
- VDSL/VDSL2
- ATM Bonding and G998.2 EFM Bonding

SECURITY

- Stateful inspection firewall (SPI)
- Network Address Translation (NAT) and Network Address Port Translation (NAPT)
- Prevents DOS Protection
- Media Access Controller (MAC) address filtering
- Internet Protocol (IP) address filtering
- Application Layer Gateways (ALGs)
- Port Security (Dynamic and Static)
- Secure HTTP/HTTPS/FTP/Telnet Proxy

ENVIRONMENTAL

- Environmental temp. 0 to 40°C
- Humidity 5 - 95% Rel. Hum.

MECHANICAL

- Size 280x170x30mm
- Product weight: TBC
- Packaged weight: TBC

POWER

- AC/DC Adapter
- 110/230 Vac - 12Vdc /24W max

REGULATORY

- CE marked
- RoHS compliant
- Safety: IEC60950
- EMC: Emissions EN55022
- EMC: Immunity EN55024
- EN 300 328 V1.7.1
- EN 301 489-1
- EN 301 489-7
- EN 62311
- EN 50371

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