Hera 600 series Router Specification Sheet

Managed M2M-Grade AnyNet 3G/4G Wi-Fi Router

Always Connected. High-speed, secure and reliable global communications for your machines, systems or remote assets managed by a team of experts.

Highly adaptable compact router for Cellular, Wi-Fi and Ethernet access. The HERA600 series is the ideal high speed 3G/4G failover solution, where the embedded Eseye AnyNet managed connectivity provides continuation of service and ensures worldwide connectivity. Encased in rugged aluminium the ESEYE HERA600 series routers are tough and durable and the direct mounting ensures easy and secure installation.

HERA600 series routers are encryption capable and adhere to Eseye's strictest quality assurance which means our customers don't have to worry about their data security, connection reliability or continuation of service. With Eseye managed services connected equipment can be monitored, accessed and reconfigured without physically mobilising staff and resources to sites.

Key Features

- Small and compact for easy integration
- Access and management for all 2G/3G and 4G cellular networks globally
- Triple-SIM router including onboard embedded AnyNet SIM
- Wi-Fi and 3G/4G fallback for post installation management and reconfiguration
- 4 Fast Ethernet ports and optional 802.11abgn Wi-Fi
- Management Provisioning via TR.069, Telnet, SSH, CLI, HTTP, HTTPS or OTA USSD/SMS/IP
- Configurable Connectivity & Service Availability Health Monitoring Agent
- Tunnelling & VPNs using IPSEC / GRE
- VLAN support
- Configurable access controls including configurable Web GUI and CLI per user level
- Embedded security with IP filtering, stateful inspection firewall, NAT/NAPT, denial of service (DOS) protection
- Optional integrated GPS
- Available on HaaS basis (MOQ applies)

Specifications

Cellular Interfaces
- Triple SIM including on-board Chip SIM
- Antenna: Cellular - 50 Ohm SMA
- Receiver Diversity Support
- Option on 3G/LTE support

HERA 601 3G HSPDA+ Models (EU)
- *UMTS HSPA 900/2100 MHz*
- *GSM/GPRS/EDGE 850/900/1800/1900 MHz*
- *Up to 14.4 MBps Downstream*
- *Up to 5.7MBps Upstream*

HERA604 LTE Models (EU & ROW)
- LTE 800(B20)/900(B8)/1800(B3) /2100(B1)/2600(B7) Up to 100 Mbps Down Up to 50 Mbps Up
- UMTS HSPA 850(B5)/900(B8)/1900(B2) /2100(B1) Up to 42 Mbps Down Up to 5.72 Mbps Up
- GSM/GPRS/EDGE 850/900/1800/1900 Up to 236 Kbps

HERA604 LTE Models (USA)
- LTE 700(B13)/700(B17)/AWS /850(B5)/900(B8)/1900(B2) /2100(B1) Up to 100 Mbps Down Up to 50 Mbps Up
- UMTS HSPA AWS(B4)/850(B5)/900(B8) /1900(B2)/2100(B1) Up to 42 Mbps Down Up to 5.72 Mbps Up
- CDMA 800(BC0)/1900(BC1) /1700(BC10) Up to 3.7 Mbps Down Up to 1.8 Mbps Up
- GSM/GPRS/EDGE 850/900/1800/1900 Up to 236 Kbps

Ethernet 4x RJ45
- 10/100baseT/TX
- Auto MDI/MDIX
- Configurable WAN or LAN

WLAN (Optional)
- 802.11a upto 54Mbps
- 802.11b upto 11Mbps
- 802.11g upto 54Mbps
- 802.11n upto 300Mbps
- 2.4Ghz & 5Ghz Non Concurrent
- 4 SSID
- WEP
- Wi-Fi Protected Access (WPA)
- WPA2-Personal/Enterprise
- Auto-channel selection
- Auto-rate selection
- Antenna: WiFi – 2 x 50 Ohm SMA

RS232 Serial Interfaces
Management 1x RJ45
Baud Rate: 115200
Data format:
- 8 Bit
- No Parity
- 1 Stop Bit
- TxD/RxD/Ground

Data 2x RJ45
NOTE: Requires application specific development
Baud Rate: 300 – 230400
Data formats:
- *7 or 8 Bit*
- *1 or 2 Stop bits*
- *Mark, Space, Odd, Even Parity*
- *Software or Hardware flow control*
- *BREAK support*
- *Signals:RTS/DTR/RxD/DSR/GND/ TxD/DCD/CTS*

Data & Routing
- PPP with PAP/CHAP security
- VLAN termination
- Up to 16 LAN subnets
- DHCP server, client, relay
- DNS client, relay
- Virtual Router Redundancy Protocol (VRRP)
- Loopback Interfaces
- *RIP v1/v2, BGPv4 (enquire)*
- *IP Multicast forwarding(enquire)*
- *IGMP v1/v2 & Proxy (enquire)*

Security
- IP filtering
- NAT/NAPT (PAT)
- Port Forwarding
- Password access
- Configurable access controls
- Stateful inspection firewall
- DOS protection

VPN Services
- IPSec Client / Server
- LAN-to-LAN and teleworker-to-LAN (Dialin)
- Authentication: Null, MD5 and SHA-1
- Internet Key Exchange (IKE)
- Authentication Pre-shared Key
- Digital Signature Algorithm (DSA)
- Rivest, Shamir and Adleman (RSA)
- Triple Data Encryption Standard (3DES)
- Data Encryption Standard (DES)
- Advanced Encryption Standard (AES)

Location Services (Optional GPS)
- *Location info available through SNMP, TR.069, SSH, HTTP/S, CLI*

Configuration & Management
- TR.069, SNMP, HTTP, HTTPS
- Command Line Interface via Telnet, SSH, Direct Serial
- Firmware updates via HTTP, HTTPS, FTP, TR.069
- Diagnostics via ICMP Ping, syslog, traceroute
- Configurable SMS/USSD Alerts and Controls
- Device Health Monitor
- Connectivity and Service Supervision
- RADIUS and TACACS

Environmental (EU)
- Operating temp. -20 to 55°C
- Humidity 5 - 95% Rel. Hum.

Mechanical
- Size: 155 x 140 x 28 mm
- Product weight: 0.5kg
- Packaged weight: 1.3kg

LED Indicators
- Power, LAN Link, LAN data, 3G/4G WAN, Wi-Fi

Power
- AC/DC Adapter
- 110/230 Vac - 12Vdc
- 10W 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
- FCC ID: 2AASBH601V2
- UL60951-1
- UL60950-22
- CSA6095

Order Codes

Item	Order no
HERA601 EU	ES2154
HERA604 EU	ES2156
HERA604 US	ES2157

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

The sections in italics are not currently available.