

—Hera 604 Asia Pacific 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.

The Hera 604 has one of the best specification to cost ratios of any router available on the market today. It is compact and highly adaptable providing cellular, Wi-Fi and ethernet access options in thousands of deployed IoT devices, worldwide. The HERA604 is an ideal high speed 3G/4G failover solution and is enhanced by embedded



Eseye AnyNet Secure eSIM managed cellular connectivity, to provide continuation of service and ensure highly resilient worldwide connectivity.

Encased in rugged aluminium the Eseye Hera 604 router is tough and durable and the direct mounting ensures easy and secure installation. Hera 604 routers are encryption capable and adhere to Eseye's strictest standards quality assurance, which means you don't have to worry about your data security, connection reliability or continuation of service. With Eseye managed services connected equipment can be monitored, accessed and reconfigured, over-the-air, without physically mobilising staff and resources to sites.

Key Features

- Small and compact for easy integration
- Access and management for all 3G/4G cellular networks globally
- Dual-SIM router
- Wi-Fi and 3G/4G fallback for post installation management and reconfiguration
- 4 Fast Ethernet ports and optional 802.11bgn 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
- 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

- Dual SIM
- Antenna Cellular: 2 x 50 Ohm SMA
- Receiver Diversity Support
- 3G/LTE support

HERA604 LTE Models

- LTE FDD
- 2100(B1) / 1800(B3) / 850(B5)
- 2600(B7) / 900(B8) / 850(B18)
- 850(B19) / 1500(B21) / 700(B28)
- LTE TDD
- 2600(B38) / 1900(B39) / 2300(B40)
- 2500(B41)
- Up to 300 Mbps Down
- Up to 50 Mbps Up
- UMTS HSPA
- 2100(B1) / 850(B5) / 800(B6)
- 900(B8) / 1700(B9) / 800(B19)
- Up to 42 Mbps Down
- Up to 5.72 Mbps Up

Ethernet 4x RJ45

- 10/100baseT/TX
- Auto MDI/MDIX
- Configurable WAN or LAN

WLAN (Optional)

- 802.11b up to 11Mbps
- 802.11g up to 54Mbps
- 802.11n up to 300Mbps
- 2.4Ghz
- 4 SSID
- WEP
- Wi-Fi Protected Access (WPA)
- WPA2-Personal/Enterprise
- Auto-channel selection
- Auto-rate selection
- Antenna WiFi: 2 x 50 Ohm SMA

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

Specifications

RS232 Serial Interfaces Management

1x RJ45

Baud Rate: 115200

Data format:

- 8 Bit
- No Parity
- 1 Stop Bit
- TxD/RxD/Ground

Data 2x RJ45

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

LED Indicators

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

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

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

Power

- AC/DC Adapter
- 110/230 Vac - 12Vdc
- 10W max

Regulatory

- 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

Standard Apps

- Serial to IP
- UDP/TCP to MQTT
- Serial to MQTT
- Modbus to MQTT
- AWS AnyNet Secure

Ordering Information

Available to order via email to sales@eseye.com

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

Name	Order Code
HERA604 APAC	TBA