

ESEYE M2M-Grade AnyNet™ 3G Wi-Fi Router

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

Wi-Fi or 3G – why not both? The HERA601 is the ideal failover solution for continued connectivity assurance. With two SIMs, one of which is an embedded ESEYE AnyNet™ you'll never have to worry about your ability to communicate again. Encased in rugged aluminium, the ESEYE HERA601 router is tough and durable with direct mounting to ensure easy and secure installation. It is encryption capable and adheres 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. The Hera ensures that connecting equipment can be monitored, accessed and reconfigured without physically mobilising staff and resources to sites.



Key Features

- Access and management for all mobile networks globally
- Dual-SIM and Wi-Fi router, including one embedded AnyNet™ SIM
- 3G fallback for post installation management and reconfiguration
- 4 Fast Ethernet Port and 802.11bg Wi-Fi
- Management Provisioning using TR.069, Telnet, SSH, CLI, HTTP, HTTPS or over-the-air USSD/SMS/IP
- Configurable Connectivity & Service Availability Health Monitoring Agent
- Tunnelling & VPNs using IPSEC / GRE
- VLAN and IP QOS 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

Expert advice, excellent support, outstanding M2M solutions

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Specifications

DATA INTERFACES

(2G) GPRS EGPRS EDGE 850 / 900 / 1800
1900 MHz

(3G) UMTS HSPA 900 / 2100 MHz
(European versions)

(3G) UMTS HSPA 800/850/1900
/2100 MHz (ROW versions)

- o Up to 14.4 MBps Downstream
- o Up to 5.6MBps Upstream
- o Dual SIM
- o Chip SIM Support
- o Antenna: Cellular - 50 Ohm SMA
- o WCDMA Power Class 3 (1W 24dBm)
- o EGSM 900/GSM 850 Power Class 4(2W 33 dBm)
- o GSM 1800/1900 Power Class 1 (1W 30 dBm)
- o EDGE Power Class for 850/900 MHz
- o Class E2a; (0.5W 27 dBm)
- o EDGE Power Class for 800/1900 MHz
- o Class E2a; (0.4W 26 dBm)
- o Dual-mode UMTS (WCDMA) / HSDPA / EDGE / GPRS operation
- o GPRS class B, multislots class 10 operation
- o Supports CS1–CS4 coding schemes
- o EDGE multislots class 12 operation
- o Supports MCS1–MCS9 coding schemes
- o UMTS (WCDMA) R99 data rates
- o 384 kbps downlink, 384 kbps uplink
- o HSDPA Category 10 data rate up to 14.4 Mbps
- o HSUPA Category 6 data rate up to 5.6 Mbps
- o GPRS/EDGE multislots class 12 (4 slots Rx, 4 slots Tx)
- o GPRS/EDGE Class B type 1 MT
- o GPRS CS1-CS4; EDGE MCS1-MCS9
- o Support UL and DL compressed modes

ETHERNET 4x RJ45

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

WLAN

- o 802.11 b/g
- o Single SSID
- o WEP
- o Wi-Fi Protected Access (WPA)
- o WPA2-Personal
- o Auto-channel selection
- o Auto-rate selection
- o Antenna: WiFi - 50 Ohm SMA

RS232 SERIAL INTERFACES

Management 1x RJ45

Baud Rate: 9600

Data format:

- o 8 Bit
- o No Parity
- o 1 Stop Bit
- o No Flow Control

Signals:

- o TxD/RxD/Ground

Data 2x RJ45

Baud Rate: 300 – 230400

Data formats:

- o 7 or 8 Bit
- o 1 or 2 Stop bits
- o Mark, Space, Odd, Even Parity
- o Software or Hardware flow control
- o BREAK support

Signals:

- o RTS/DTR/RxD/DSR
- o GND/TxD/DCD/CTS

DATA & ROUTING

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

SECURITY

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

VPN SERVICES

- o IPSec termination and initiation
- o LAN-to-LAN and teleworker-to-LAN
- o Authentication: Null, MD5 and SHA-1
- o Internet Key Exchange (IKE)
- o Authentication Pre-shared Key
- o Digital Signature Algorithm (DSA)
- o Rivest, Shamir and Adleman (RSA)
- o Hardware Acceleration
- o Triple Data Encryption Standard (3DES)
- o Data Encryption Standard (DES)
- o Advanced Encryption Standard (AES)

QUALITY OF SERVICE

- o IP: TOS/DSCP bit prioritisation
- o 802.1q VLAN tagging and prioritisation
- o Packet classifier and metering
- o Transmit scheduler
- o Algorithmic dropping

CONFIGURATION & MANAGEMENT

- o Power, LAN Link, LAN data, 3G
- o WAN, Wi-Fi
- o HTTP, Telnet, SNMP
- o HTTPS and SSH
- o Local or remote access
- o Firmware upgrade HTTP, TFTP, FTP
- o ICMP Ping, syslog, traceroute
- o Configurable SMS/USSD Alerts and Controls
- o Device Health Monitor
- o Connectivity and Service Supervision
- o Location Reporting and Cell Survey

ENVIRONMENTAL

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

MECHANICAL

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

LED INDICATORS

- o Power, LAN Link, LAN data, 3G WAN

POWER

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

REGULATORY

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

Order Codes

EUROPE: ES2154EU, USA: ES2154US, AUSTRALIA ES2154AUS

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

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