

datamax4G

Featuring wide ranging connectivity & intelligent track and control - the Datamax4G Ethernet router with RS232, WIFI & GPS functionality is the right choice for your M2M application.

Encased in a robust metal casing, the powerful 4G router has diverse connectivity options including RS232, Wi-Fi & GPS to manage your M2M applications over high data speeds. The Wi-Fi connectivity gives this router local wireless capabilities creating an effective industrial hotspot.

Failover between 4G, and fixed-wire WAN or Wi-Fi, makes configuring redundant links easy.

Advance these benefits further, with tracking available via its GPS feature, for an all-rounded & intelligent M2M router.

Key Features

- LTE CAT6 Band 28 Supported
- 6 band DC-HSPA+
- Inbuilt GPS receiver
- Inbuilt Wi-Fi Transceive
- 4 Port Ethernet Connectivity
- Max. 300 Mpbs Downlink, Max. 50 Mpbs Uplink
- Support WAN port and PPPOE protocol that can be connected to ADSL directly.
- Support low power consumption mode, including sleep mode, scheduled online/Offline mode.

Accessories

- 12 VDC Power Supply
- Alternative external antenna options
- See Maxon for other accessories







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Frequency Bands

LTE FDD: 1(2100MHz), 3(1800MHz), 5(850MHz), 7(2600MHz), 8(900MHz),

18(800MHz), 19(800MHz), 21(1500MHz), 28(700MHz)

UMTS: 1(2100MHz), 5(850MHz), 6(850MHz), 8(900MHz), 9(1700MHz), 19(800MHz)

Features

- Rugged and robust form factor
- Incorporates GPS functionality
- Inbuilt Wi-Fi Transceiver
- 4x Ethernet Ports
- Web-based management
- Supports VPN server / client (PPTP, L2TP, OpenVPN, IPSEC, GRE)
- Supports DHCP server / client, firewall, NAT DMZ Host, URL Filtering, QOS, Traffic statistics, Realtime link
- Supports RS232 or RS484/RS422
- Wide ranging input power
- Supports DDNS
- Supports TCP/IP, UDP, ICMP, SMTP*, HTTP, POP3* QICQ*, TELNET, FTP*, SNMP etc *optional
- Auto recovery including online/offline detect and auto redial
- Supports Firmware over the Air (FOTA) functionality

Connections

- Power Barrel connector (2.5mm)
- 4x Ethernet Connection RJ45
- 1x RS232 connector (RJ45)
- 1x SIM card
- 1x WAN Connection RJ45
- GPS Antenna connector: SMA Female
- Wi-Fi Antenna connector: SMA male
- Antenna connector: SMA Female
- Reset button

Wi-Fi

- IEEE802.11 b/g (54Mpbs (max))
- IEEE802.11 n (300Mbps (max))
- Security: WEP, WPA, WPA2, etc (WPS optional)
- TX Power: 20dBm(n), 24dBm(g), 26dBm(b)
- RX rensitivity <-72dBm @ 54Mpbs

Dimensions / Mounting / Weight

- Iron Housing providing IP30 protection
- 207 X135 X28 mm
- Side Mount Brackets

Data

- LTE FDD: Download speed Max. 300Mbps, Upload speed Max. 50Mbps
- DC-HSPA+: Download speed Max. 42Mbps, Upload speed Max. 5.76Mbps
- HSPA+: Download speed Max. 21Mbps, Upload speed Max. 5.76Mbps
- HSDPA: Download speed Max. 7.2Mbps, HSUPA, Upload speed Max. 5.76Mbps

GPS

- 50 channel receiver
- GPS L1 (1575.42 MHz) C/A code
- SBAS: WAAS, EGNOS, MSAS, GAGAN
- Supports Galileo
- Max update rate 4Hz
- Accuracy 2.5m CPE for position
- Accuracy 2.0m CPE for SBAS
- Acquisition: 29s cold start, 29s warm start, <1s aided start, <1s hot start
- Sensitivity: Tracking 160dBm, Reacquisition 160dBm, cold starts -144dBm
- Time pulse: Configurable, 0.25 to 1KHz

Environmental Specifications

- Normal Operation Temperature -35 to 75°C
- Storage Temperature -40 to 85°C

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- Power
 - Online
 - WLAN Signal strength

Power

- $5 \sim 36$ V DC (Reverse polarity protection)
- Standby 292~342mA @12VDC
- Communication 355~592mA @12VDC
- Schedule Shutdown 2.57 ~4.2mA @12 VDC

- GPS
- Wi-Fi
- Local network

- System