

GENESYS



M2M NETWORK FLOOR CONTROLLER

M2M NETWORK SERVER WITH INTERNET CONNECTIVITY, UPS AND LOCAL ETHERNET, WIFI AND OTHER IO CAPABILITY

Product Code: GEH-AM-201

GENESYS
ELECTRONICS DESIGN

CALL US ON +61 2 9496 8900

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M2M NETWORK FLOOR CONTROLLER

The Genesys M2M Network Floor Controller provides a low-cost, single-device solution for Internet-enabling a wireless network of devices, allowing those devices to interoperate with themselves or other locally or remotely connected devices.

DATALOGGING CAPABILITIES

The Network Floor Controller is capable of logging data with a real-time clock and two 1GB Industrial-grade USB flash drives. The flash drives can be readily replaced if greater storage capacity is needed.

6LOWPAN COMPATIBILITY

The Network Floor Controller comes equipped with a 100mW transceiver (Genesys 6LoWPAN Transceiver Module Pro - GBI-ML-200P) offering your 6LoWPAN network greater range and reducing the need to deploy additional equipment for network coverage.

M2M SUB-NETWORK INTEGRATION

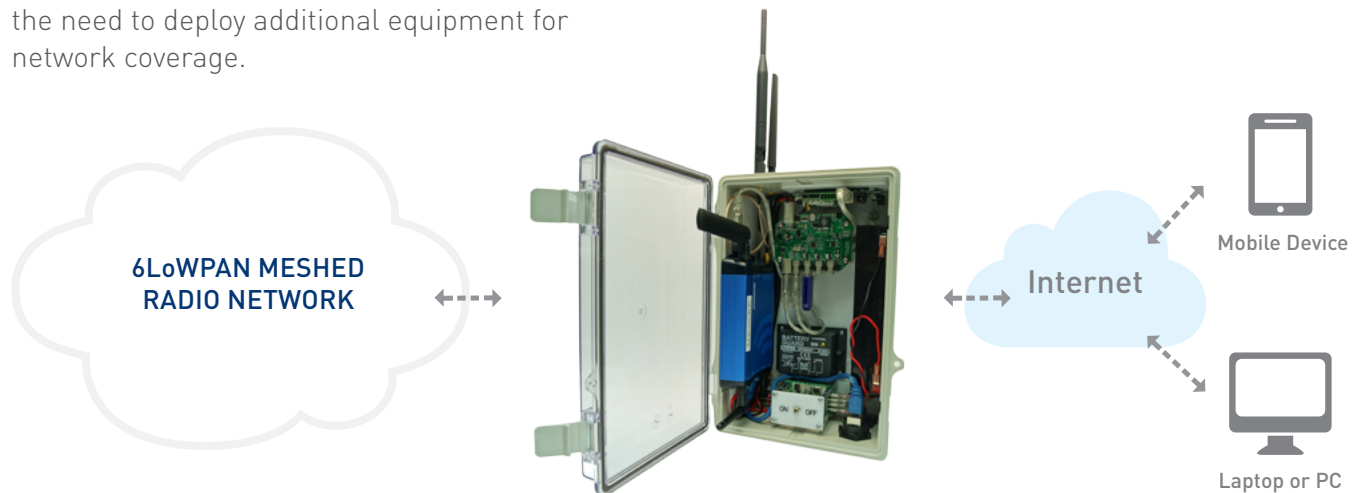
A wide variety of customisable machine sub-network media and device protocols are supported, including Ethernet, Wi-Fi and 6LoWPAN.

REMOTE ACCESS, CONTROL & MONITORING

Remotely configure, control, monitor and log your M2M/IoT network via the Internet. Receive email & SMS alerts & reports, and optimise time on site.

RUGGED, ROBUST AND COMPACT

The Network Floor Controller is compact and features the same robustness of the Genesys M2M Network Server. With wireless internet connectivity, a built in uninterruptible power supply and a ruggedised IP65-rated design, it is capable of operating autonomously in environments with unreliable utilities.



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CHARACTERISTICS

INTERNET CONNECTIVITY

- 3G/4G connection with onboard SIM card from ISP
- Ethernet connection onto local LAN and Internet connection
- Circuit-Switched Voice enabled

LOCAL WIRELESS NETWORK

- IEEE 802.11n WiFi hotspot
- IEEE 802.15.4 full mesh network
- 6LoWPAN IPv6 enabled stack
- Supports drop-in, drop-out PnP

LOCAL WIRED NETWORK

- Ethernet 10/100Base-TX Port with Auto MDIX

USER INTERFACE

- Status Indicator LEDs on Netcomm Wireless Modem
- Status Indicator on Genesys Small Gateway Base Board

INPUTS/OUTPUTS

- 4 x 500mA USB Ports Supporting Peripherals such as USB Flash Storage and Real-Time Clock.

PHYSICAL

- Dimensions - 190mm (W) x 287mm (H) x 140mm (D)
- Weight - 3060g
- IP65 rated design

ENVIRONMENTAL

- Temperature (operating): -15°C to +55°C
- Temperature (survival): -55°C to +85°C
- Humidity (operating): 95% RH at 50°C

POWER SOURCES

- Integrated UPS 2.1Ah battery backup
- 240V 50Hz mains power
- Power Consumption (operating): 10W
- Power Consumption (standby): ~1W

OTHER INTERFACES

- 2 x 1GB Cactus Industrial Grade USB Flash Drive with Extended Operating Temperature Range
- USB Real-Time Clock

