

# GENESYS



## OFFICE AUTOMATION SYSTEM

OFFICE MONITORING and  
AUTOMATION SYSTEM with ACCESS  
CONTROL, ENERGY MONITORING and  
LIGHTING CONTROL

Product Code: GSS-GM-202

**GENESYS**  
ELECTRONICS DESIGN

**CALL US ON +61 2 9496 8900**

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## OFFICE AUTOMATION SYSTEM

Genesys' M2M Office Automation System provides a scalable, interactive solution to propel your workplace into an intelligent, connected future.

Your central M2M IoT Network Server can be made to interface with any existing lighting, HVAC, security and access control systems. Genesys M2M IoT technology enables these disparate systems to work together seamlessly to provide a greener, more secure and more productive working environment.

### MORE CONNECTED

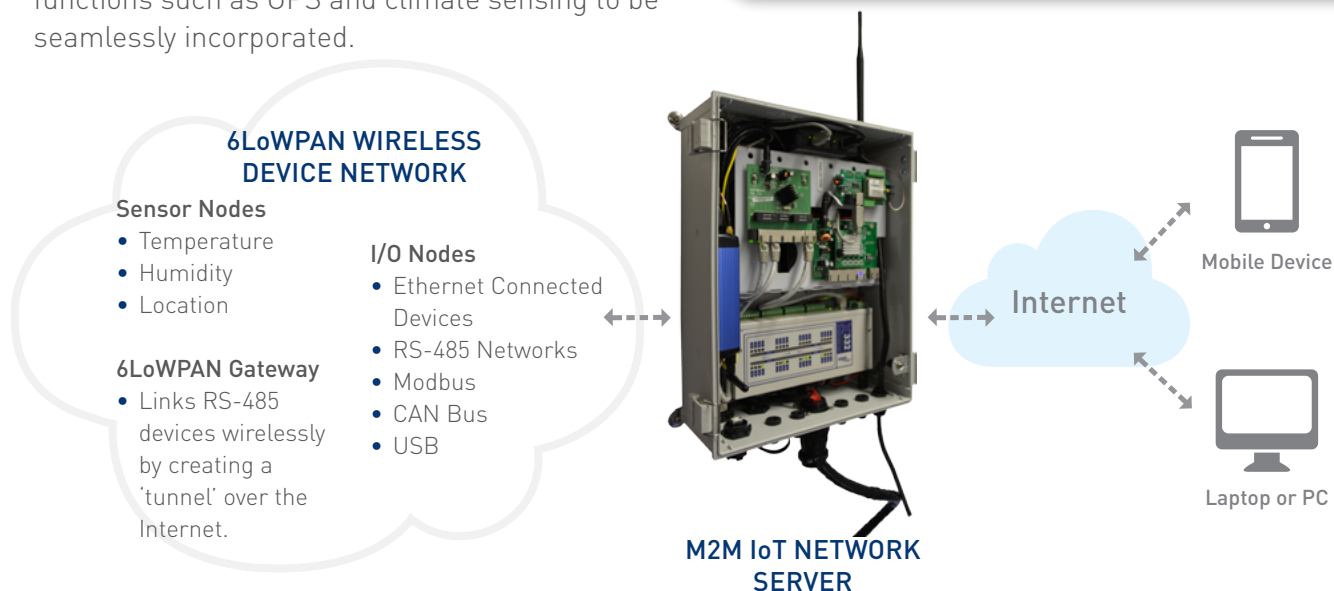
Genesys provides a Network Server and several wireless I/O Nodes as part of the base package. Both devices are designed to connect to industry standard RS-485 devices (as well as other protocols). Nodes are also compatible with the Genesys Modular Stack - a technology that allows functions such as GPS and climate sensing to be seamlessly incorporated.

### ABSOLUTE CONTROL

Genesys' Viztool Android and Web apps give you the power to control, monitor and harvest data from all connected systems. Override your automation network or make one system control another. The M2M IoT Office Automation System gives you full control over your Smart Office.

### APPLICATION EXAMPLE - AUTOMATICALLY LOWER YOUR BILLS

Energy Monitoring, Access Control and Climate Sensor Nodes provide real-time data to the M2M IoT Network Server, enabling it to intelligently control lighting and HVAC systems based on climate conditions, human presence and electricity rates. The result is a greener office where systems are powered on only when needed; and significant savings on energy bills.



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## CHARACTERISTICS

### M2M IOT NETWORK SERVER

- 2 to 16 or more voltage free contacts
- Up to 16 opto-isolated digital inputs
- Up to 4 analog sensors
- Up to 4 digital sensors
- Solid state relays
- 2 RS-485 ports
- Modbus/ Modbus TCP
- CAN Bus
- USB
- Ethernet with PoE – Surveillance camera
- Other interfaces & protocols on request

### 6LoWPAN MESHING NODES

- Genesys Modular Stack support - GPS, humidity, temperature sensors and 3G & Wi-Fi radios available on request.
- Up to 4 A/D input channels, 0 to 3V3
- 2 D/A output channels, 0 to 3V3
- 2 Solid state relay outputs, 30V 1.2A
- Up to 9 GPIO lines, 0 to 3V3
- I2C and SPI ports, 0 to 3V3

### INTERNET CONNECTIONS

- 3G/4G cellular data connection
- WiFi – networks and mobile devices
- Ethernet to existing Internet connection
- SMS and email alerts

### 6LoWPAN LOCAL WIRELESS NETWORK

- IEEE 802.15.4 full mesh network
- 6LoWPAN IPV6 enabled stack
- Supports drop-in, drop-out, PnP

### PHYSICAL

- M2M IoT Network Server - 300x400x180mm
- Sensor & I/O Nodes – 165x125x75mm

### ENVIRONMENTAL

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

### POWERING

- M2M IoT Network Server – 110 to 240VAC
- Sensor & I/O Nodes – 110 to 240VAC

### WEB & MOBILE MONITORING INTERFACE

- Real-time status
- Control of all connected units
- Customisable on request

