

MultiMesh™ Process Control Unit



DATASHEET

Part Number
WML-WSG-07100



9 unit DIN (TS35) Enclosure
160mm(L) x 90mm(W) x 58mm(H)

Product Description

The MultiMesh Process Control Unit is a highly capable digital controller specifically designed for low power consumption with highly flexible connectivity options. It comes with a wide range of standard features as well as being a platform for custom control applications.

Specification

Environmental

| | |
|------------------------|-----------------------------|
| Case: | DIN (TS35) 9 unit enclosure |
| Case materials: | PC/PA |
| Weight: | 250g |
| Security: | No user serviceable parts |
| Mounting: | TS35 DIN Rail |
| Exposure: | 10-90%rH |
| Operating temperature: | -10°C to +85°C |

Power supply

| | |
|--------------|---------------------|
| Regulated DC | +10 to +30 Volts DC |
|--------------|---------------------|

Processor

| | |
|-----------------|-----------------------------|
| Processor | ARM 9 |
| Internal Memory | 4MB flash / 8MB SDRAM |
| External Memory | Removable SD Card up to 4GB |

Wired Communications

| | |
|----------|--|
| USB | 1 port for administration |
| Serial | 1 x RS232 1 x RS485/ RS422 (selectable) Support for MODBUS |
| Ethernet | 10/100T, DHCP, Static IP http:// client & server SSH and other protocols |

Wireless Communications

| | |
|--|---|
| GSM: | GPRS / GSM / SMS Messaging SIM Card holder |
| Wireless Sensors: Support for external: | MultiMesh Sensors over ZigBee™ Iridium satellite link WiMax & Ethernet Radios Long range point-to-point radios |
| GPS: | Time and Position |

Digital IO

| | |
|---------|-------------------------------|
| Inputs | 8 x 12/24V Digital inputs |
| Outputs | 8 x 12/24V Digital OC Outputs |

Analogue IO

| | |
|------------|------------------------------|
| Sensor | 4 x 4-20mA Analogue inputs |
| Specialist | 2 x Tank Level Sensor inputs |

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DRAFT 0.1, Jan 2010. E&OE
Status: PROVISIONAL
All details are subject to change without notice

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