

MM-IM

Large works automation and data gateway



SALES FLYER

The MM-IM acts as a single point for site supervisory control and data acquisition of up to 4000 points. With an integrated IEC61131 programming environment, the MM-IM is an RTU and PLC in one box. Its wide range of interfaces and protocols enables integration with any typical site equipment, from PLCs to smart sensors.

The MM-IM intelligent RTU can be configured to interconnect with other equipment as required while offering full telemetry and automation functionality. It offers a cost-effective way to interface and interact with a multitude of process control, telemetry and communications devices using multiple communication protocols. It therefore compares favourably with the cost of using individual RTUs where high levels of interaction are required at a large site or across several sites.

The MM-IM provides rich telemetry and automation functionality including standard I/O monitoring and control, monitoring of alarms and events, rate of change monitoring and local data logging and trending. Additional features such as the provision of independent lower and upper alarm thresholds and time deadbands can be used to reduce the false alarm rate.

KEY FEATURES:

- Real time monitoring with full telemetry functionality
- Full suite IEC61131 automation programming software
- Cost-effective intelligent RTU for multi-point, multi-site facilities
- High level of compatibility with on-site devices; the software supports a wide range of open standard communications protocols
- Serial interfaces allow connection to a range of communications media such as PSTN, GSM, GPRS and Radio
- Communications via TCP/IP
- Easy expansion of I/O capability
- Fully configurable; download and non-volatile storage of static configuration data, including communications, modem controls, alarm and event thresholds, time deadbands etc.
- Large storage capability for trend, alarm and event data



SPECIFICATIONS

Power supply	8-30VDC Typical Current consumption: 0.29A @ 12V, 0.16A @ 24V. Inrush Current: 1.0A @ 12V, 2.2A @ 24V.
Serial Communications Interface	3 x RS232 serial ports configurable up to 115,200 bps 1 x RS485 serial port configurable up to 115,200 bps All support RTS and CTS modem control lines. COM1 additionally supports DCD, DTR, DSR and RI.
USB ports	Four USB 2.0 Master ports supporting adapters for up to 8 serial ports
Ethernet ports	2 x IEEE 802.3 10BASE-T and 100BASE-TX interfaces
Processor	ICOP Vortex86SX SoC CPU-300MHz.
Memory	Onboard 128MB DDR2 SDRAM 512 Mbytes solid state disk module
Protocol support	Modbus Ethernet IP (Adapter server, I/O Scanner client and Tag client) DF1
LEDs	Four pairs of red (Rx) and green (Tx), one pair per serial port Four green status LED's as follows: Power, indicates power is present System, used to indicate overall system status LAN1, used to indicate Ethernet activity LAN2, used to indicate Ethernet activity
Real Time Clock	Real time clock with lithium battery backup
Enclosure	BS EN 60529 IP20 ingress protection
Mounting	Supplied with 2 DIN rail clips on rear of enclosure as standard
Build options	Available with standard and inverted overlay options
Unit size and weight	175 x 120 x 50 mm (excluding connectors) 0.45 Kg (approx.)

Metasphere provides robust asset monitoring of time critical remote operations for operators to gain competitive advantage and meet regulatory compliance.

