

interSeptor iMeter[®]

Environmental Monitoring for Data Centres and Server Rooms



iMeter is an advanced monitoring solution that can monitor a whole variety of environmental sensors to help protect network infrastructures and minimise system downtime. Up to 600 Jacarta Go-Probe sensors can be monitored via a single IP address.

Jacarta Go-Probe Sensor Options

Environmental Sensors:

- Temperature/Humidity Sensor
- Water Leak Detector
- Security Sensors
- Power Failure Monitor
- Smoke Detector
- Airflow Sensor



Rear view showing sensor ports

iMeter Master - Key Features

- 8 x on-board Go-Probe sensor ports
- 4 x on-board expansion ports for connection of up to 72 iMeter Slave units
- Up to 600 sensors can be monitored from a single IP address
- Web-browser interface
- Auto-detection of connected sensors for ease of installation
- Up to 80 virtual sensor and device conditions can be monitored (via SNMP, Ping, Modbus)
- Alert notification via Email, SNMP, SMS*, Voice call**, Beacon/Sounder and SMS with optional GSM Modem
- Integral multi-layered map function for easy identification of alarm location (drill-down)
- Most sensors powered from Master or Slave devices directly to minimise maintenance
- Different length cables available for sensors to provide maximum installation flexibility
- SNMP V1 and V3 for Network Management integration
- On-board logging/graphing
- High/low user configurable alarm thresholds
- Sensor ports can also be configured for high/low output
- Wi-Fi, Bluetooth, Modbus connectivity options

iMeter Slave - Key Features

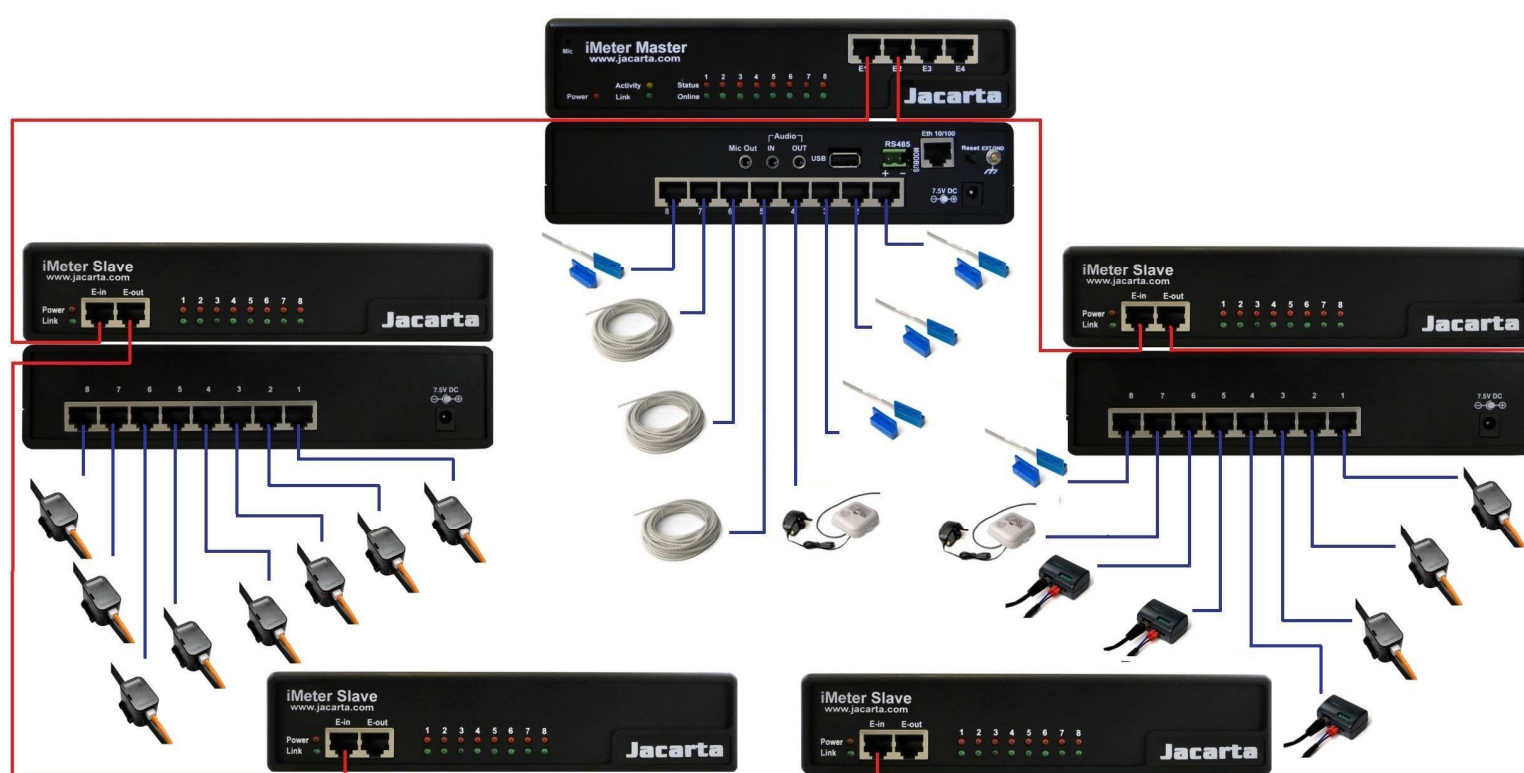
- 8 x Go-Probe sensor ports
- Expansion-In port, Expansion-Out port for connection to iMeter Master or Slave (in) and iMeter Slave (out)

MONITORING

A variety of environmental are available with the iMeter to ensure your data centre or racks are constantly monitored for potentially catastrophic events. Alerts can be delivered rapidly to IT and Facilities personnel via email, SNMP or SMS to ensure remedial action can be taken quickly

The Jakarta Go-Probe sensors can be connected to the iMeter Master and Slave modules in any combination. Sensors can be auto-detected by the iMeter to simplify installation and configuration.

The following diagram highlights the potential sensor capacity and flexibility of the iMeter.



iMeter Master—Specifications

- Sensors: 8 x RJ45 auto-detecting ports
- Relay Outputs: Any RJ45 sensor port can be configured as a relay
- Optional Equipment: iMeter Slave, GSM Modem
- Network: 10/100Mbps Ethernet (auto-sense)
- Status Indicators: Sensor online and status LED, Power LED, 10/100 LED
- Configuration: Browser, Modbus
- Monitoring: Browser, NMS
- Weight (kg): 1.09
- Dimensions (cm): 4.6 (h) x 21.6 (w) x 13.8 (d)
- Power: 7.5VDC PSU supplied
- Alerts: Email, SNMP traps, Voice and SMS via optional additional GSM USB Modem
- Alert Configuration: 1. Temperature/Humidity: High/Low warning and critical thresholds (user configurable)
2. Go-Probe Sensors: Normally open/closed or high/low active (user configurable)
- Logging: Event, status and configuration
- Graphs: Real-time and historical
- Graph Interval: Daily, Weekly, Monthly and Yearly
- Firmware Upgrade: Via network connection
- System Security: IP based filtering and password protection
- Warranty: 1 Year

iMeter Slave—Specifications

- Sensors: 8 x RJ45 auto-detecting ports.
- Relay Outputs: Any RJ45 sensor port can be configured as a relay
- Link Distance: Up to 300m
- Configuration: Via iMeter Master
- Monitoring: Via iMeter Master
- Weight (kg): 1.09
- Dimensions (cm): 4.6 (h) x 21.6 (w) x 13.8 (d)
- Power: 7.5VDC PSU supplied
- Status Indicators: Sensor online and status LED, Power LED, Link LED
- Warranty: 1 Year