



COMARK

A Fluke Company

Comark RF500AP

Gateway with Power over Ethernet



Comark's RF500AP Gateway, extends the flexibility of RF500 wireless monitoring systems by the use of power over ethernet (PoE) which means it can be sited where AC power would be problematic, costly or impossible to supply.

This new, compact unit has solid state memory via two SD cards. In the event of failure, data is protected as information is backed-up automatically between the two. There is no hard drive and no fan so there are fewer components to wear out. The new RF500A has low power consumption, an important consideration in any industry.

The RF500AP Gateway connects directly to the local area network providing round-the-clock monitoring with single or multi-user access via the internet. The unit requires no specialist PC software as programming or data access is achieved via a PC or PDA from any location using a web browser.

There are no hidden charges for licences and there is no limit on the number of users – you dictate how many or how few people have access.

With a full audit trail, electronic signatures and data protection to meet the requirements of 21CFR Part 11, RF500 is ideal for any high security application where protection of your products and good name is paramount. Rapid identification and notification of alarm conditions provides all the necessary assurances for due diligence and HACCP procedures.

Features

- **Global Standardization:** Global organizations can deploy
- **PoE** everywhere, removing the local variance in AC standards, outlets and plugs. Systems can have a standard configuration across a global operation.
- **Cost Savings:** More cost effective to fit as Ethernet cable is lower cost than AC cable and the requirement to route wiring and fit a suitable power socket is avoided.
- **Safer:** Building regulations that relate to running AC cable are eliminated by using PoE. The RF500AP Gateway is Class 0.
- **Simple:** Installation is neater with just one cable providing network access and power.
- **Easy Maintenance:** It is simple for IT departments to enable ports for PoE, no changes in wiring or cables are necessary.
- **Less Risk:** With no wall mounted power socket, there is less chance that power will be accidentally switched off.
- 2 Year Warranty

The Professionals' Choice

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Specifications

Channels	Up to 256
Transmitters	Up to 64
Storage Capacity	Up to 10 years storage
RF Frequency	2.4GHz (Using IEEE 802.15.4 physical layer and proprietary application layer)
Operating Range	0°C to +40°C / +32°F to +104°F, 10-90% RH non-condensing
Power Sources	Power over Ethernet (PoE) Compliant to IEEE 802.3af Device class 0 or AC power adaptor, rechargeable NiMh battery
Power Adaptor	100-240VAC 310mA 50/60Hz
Battery Backup	4.3Ah Ni-Mh Rechargeable Battery. Running time approx 1 hour
Clock Accuracy	4ppm (2 minutes per year)
Relay Outputs (SW1 &SWT)	Two individual 2.5mm jack sockets. Contacts: 24Vdc 500mA maximum
Power Consumption	12W typical
Dimensions	L 225mm x W 150mm x D 40mm
Weight	1.3Kg
Warranty	Two Years
Default IP Address	192.168.25.220
Storage Allocations	Bytes per day = 50KB (No Transmitters), 50KB x 30 Transmitters = 1.5MB per Day, 5.475GB over 10 Years
Operating System	Linux running Apache Server version 1.3.33. Kernel version 2.4.31

For more details please see www.comarkinstruments.com

Warranty

All Comark instruments have a minimum one year warranty unless otherwise stated. The warranty for temperature probes is six months and all other probes are unwarranted because the conditions of use are beyond our control. The Comark Warranty covers manufacturing defects and component failure and applies worldwide. In line with our policy of continuous development, we reserve the right to alter any product specification without notice. Comark has an accredited UKAS (NIST equivalent) calibration laboratory for temperature and humidity measurement and offers full service and recalibration facilities.

Comark Instruments is committed to providing quality and affordable products to the food service industry. Our thermometers and humidity testers bring speed, accuracy and reliability to the transport, testing and storing of food under HACCP guidelines. A large variety of products, well-trained staff, and a commitment to customer satisfaction mean you can come to us for answers to all your temperature measurement needs!

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