RM-240
WLAN Access point and Client

- 802.11b WiFi compliant wireless data up to 11 Mbit/s
- Temperature range –35°C to 65°C
- Access Point, Client/Station and Repeater
- 10/100 BaseT RJ45, IEEE 802.3 compliant.
- Bridge/router functions for Ethernet protocols
- RS-232 V.24 DCE 1.2 to 115.2 kbit/s
- RS-485 1.2 to 115.2 kbit/s
- On-board I/O for link status or external status transfer.
- 128-bit AES encryption and WEP encryption
- Firewall protection using MAC Address filtering
- Redundancy using automatic changeover at Access Point
- Configuration via web-browser
- Remote configuration via the wireless link.
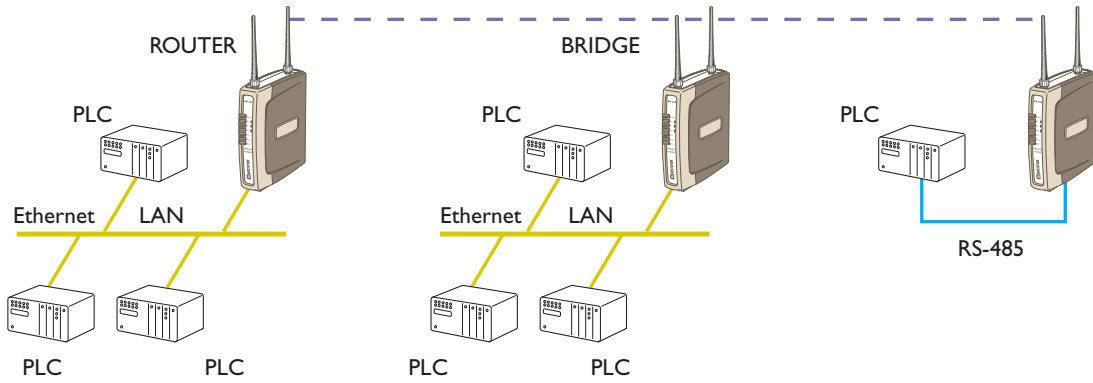- Password protected configuration

Field of application

The RM-240 provides reliable and secure high-speed wireless Ethernet connectivity across a broad range of applications in process and automation plants. It is very well suited for connection to PLC's, HMI, DCS, data acquisition, video devices and industrial PC's.

The RM-240 has an Ethernet port (10/100 BaseT) as well as two serial ports (RS-232 and RS-485) and on-board I/O for local and remote link status, or external status transfer.
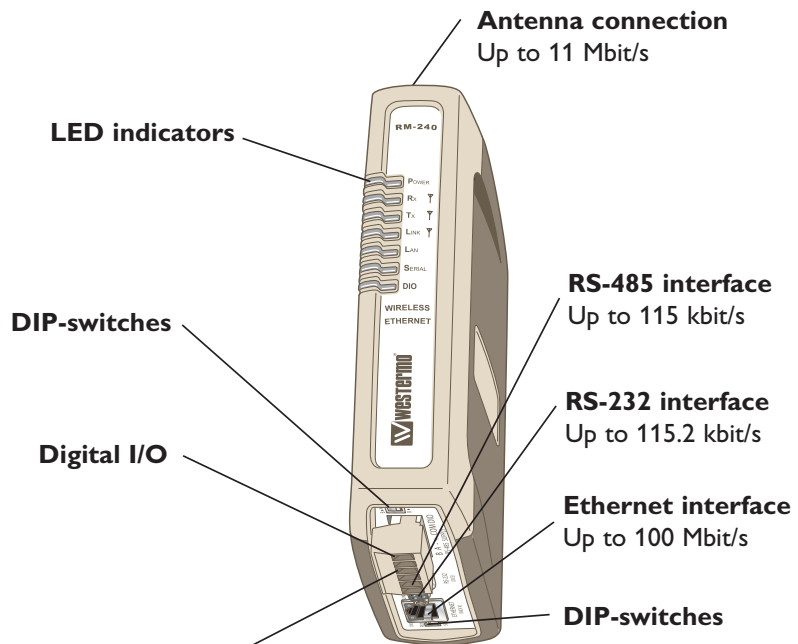
The RM-240 has been designed and built for demanding industrial applications. A High RF output (100 or 300 mW) and superior receiver sensitivity gives excellent penetration in congested industrial environments, through buildings, factory walls and steelwork.

The RM-240 is equipped with Dual SMA coaxial antenna connectors for antenna diversity. The receiver sensitivity will allow a line-of-sight range of 1 km using 100 mW (Europe) and 5 km using 300 mW (America). The Repeater functionality can increase the wireless range even further.

Application

Interfaces

Antenna connection
Up to 11 Mbit/s

LED indicators

DIP-switches

Digital I/O

RS-485 interface
Up to 115 kbit/s

RS-232 interface
Up to 115.2 kbit/s

Ethernet interface
Up to 100 Mbit/s

DIP-switches

Power

	RM-240
Power Supply	9 – 30 VDC
Current average	240 mA @ 12 VDC
Frequency	DC
Connection	Detachable 6-pos. screw terminal