



Messenger Series

Rugged industrial communications devices for SCADA systems

Industrial Wi-Fi Ethernet Radio/Access Point

Very high speed wireless communications + easy access to controllers & RTUs for tablets, laptop computers and smart phones.

- Very high speed wireless Ethernet – up to 54Mbps
- Configurable as Access Point or Client
- Up to 100mW (20dBm) transmit power – user configurable
- 2.4GHz (5GHz optional)
- Includes internal 8dBi antenna
- Supports DHCP (can serve addresses to wireless devices)
- Power Over Ethernet (12Vdc), passive POE injector included
- Indoor/Outdoor use – easy pole or panel mount
- Compact design with internal antenna saves panel space and cost
- Wide operating Temperature Range: -20°C to +70°C
- Web page configuration by wired (LAN) connection or “over-the-air” (WAN)
- 3-year factory warranty on parts and labor



Industrial Wi-Fi Ethernet Radio/ Access Point

High-speed Wireless Ethernet Connectivity–

Interconnect Ethernet devices up to 54 Mbps, up to 5Km

Supports standard Wi-Fi devices– Works with tablet computers, laptop computers and smart phones

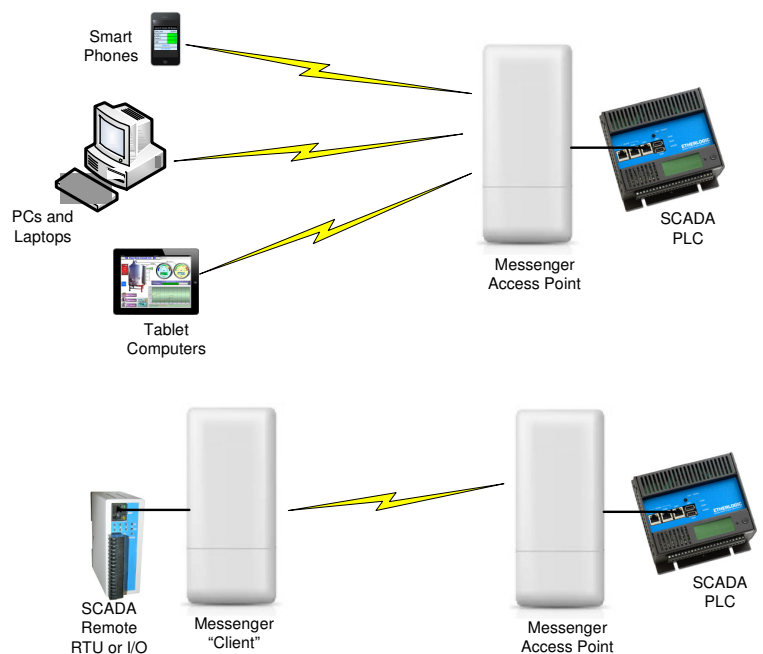
Easy Installation - Custom configuration is easy through built-in web pages (no software to install). Access by Ethernet cable or over-the-air!

Low-cost twisted pair wiring– Power and data over the same Ethernet cable simplifies installation.

DC Powered – Use the same 12V DC power supply that powers your other controllers and sensors. Supports battery-backed applications also.

Compact – Very small footprint with 8dBi antenna built-in.

Rugged Reliability –Operates over an extended temperature range of -20C to 70C, and backed by an industry leading 3-year factory parts and labor warranty.



Typical SCADA applications

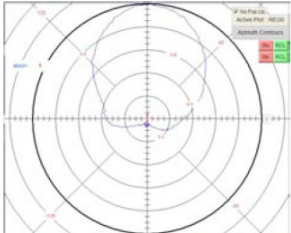
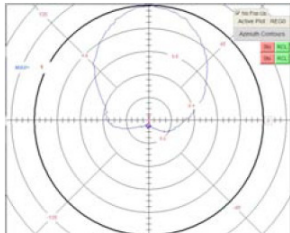
Messenger Ethernet Radio/Access Point

Specifications

Radio

Standards	IEEE 802.11/b/g		
Transmit/Receive - 802.11b	DataRate	TXPower (+/- 1 dB)	Sensitivity (+/- 1 dB)
	1Mbps	20dBm	-95dBm
	2Mbps	20dBm	-94dBm
	5.5Mbps	20dBm	-93dBm
	11Mbps	20dBm	-90dBm
Transmit/Receive - 802.11g OFDM	DataRate	TXPower (+/- 1 dB)	Sensitivity (+/- 1 dB)
	6Mbps	20dBm	-92dBm
	9Mbps	20dBm	-91dBm
	12Mbps	20dBm	-89dBm
	18Mbps	20dBm	-88dBm
	24Mbps	20dBm	-84dBm
	36Mbps	18dBm	-81dBm
	48Mbps	16dBm	-75dBm
	54Mbps	15dBm	-72dBm

Internal Antenna

Gain	8dBi (2400-2500MHz)	Survival Wind	216 km/hr
Polarization	Multi-Polarized	3dB Beamwidth Elevation	60 degrees
Polarization Selection	Software Controlled	3dB Beamwidth Azimuth	60 degrees
			
Azimuth		Elevation	

Dimensions	10.4" x 3.1" x 1.2" (26.4 cm x 8 cm x 3cm)	
Weight	0.4 lb (0.18kg)	
Power	10 to 15Vdc (4 Watts max). Supply and injector included	
POE Power Connector	2-position removable terminal block, 5.08mm, 12 to 22AWG	
Enclosure	Outdoor UV Stabilized Plastic	
Mounting	Radio	Panel or Pole - Mounting Kit included
	POE injector	DIN rail mount
Environment	Temperature: -20C to +70C, Humidity: 5 to 95% Condensing	
Shock and Vibration	ETSI300-019-1.4	
Mating Cables	Part# 99-10xx RJ-45 to RJ-45 Ethernet Cable, Cat 5e (xx is length in ft. - available lengths: 01, 03, 06, 10, 15)	

Represented by:

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