

HiPR-900®

License-Free IP Router & Radio Modem

TCP/IP

Security & Defense

OIL & GAS

SCADA & TELEMETRY

WIRELESS DATA COMMUNICATION

Remote Monitoring

INDUSTRIAL AUTOMATION

WATER & WASTEWATER

ELECTRIC UTILITIES

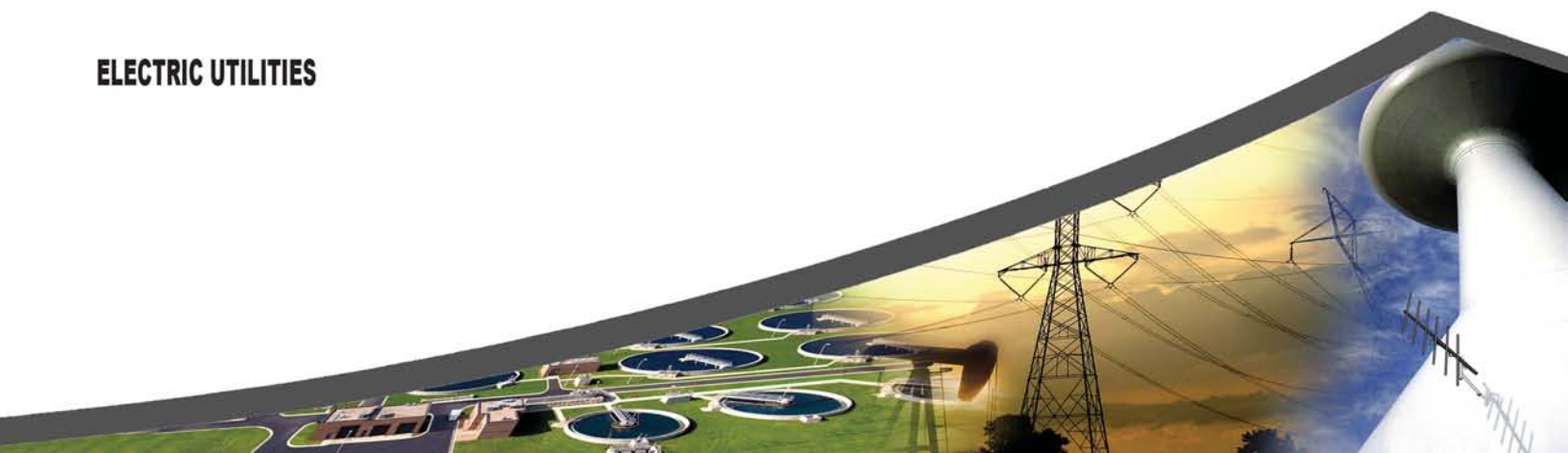


The Dataradio HiPR-900 series from CalAmp deliver wireless connectivity between Ethernet and serial devices. Operating in the license-free 908-928 MHz ISM band, HiPR-900 offers extraordinary data throughput with speeds up to 512 kbps, either point-to-point or point-to-multi-point. Typical uses include Ethernet bridging, IP Routing, SCADA networks, and other industrial automation or data collection applications.

HiPR-900 can provide wireless connectivity between an Ethernet or serial base station and multiple remote modems, or it can function as a high-speed, transparent bridge between two 10/100 Base-T Ethernet networks.

Highly complex networks are easily achieved using HiPR-900 as an IP router. Add our patented Parallel Decode® for greater sensitivity and the result is more efficient use of available bandwidth with greater coverage over an extended range.

Available with Power-over-Ethernet and NEMA 4X rated enclosures, HiPR-900 offers optimal placement without the need for long RF cable runs that result in added expense and heavy line loss. Add DIN-rail mount option and connections to PLCs and other automation devices are a snap. The entire series is Class I Division 2 rated, allowing deployment in hazardous locations.



HiPR-900 Specifications

All Models Feature:

- Ethernet
- Setup Serial Port
- COM Serial Port
- SNMP
- Remote Operating mode
- Bridge IP Forwarding mode

HiPR-900 (e) Features:

- Master Operating mode
- Repeater Operating mode
- Router IP Forwarding mode
- Neighbor Discovery
- IP Routing
- Parallel Decode

Frequency

902-928 MHz

Mode

Frequency hopping spread spectrum (FHSS)

Size

5.50 x 1.81 x 4.25 in.

Weight

2.26 lbs.

Operating Humidity

0-95% non-condensing

Temperature

-30°C to +60°C

LED Indicators

LAN link, LAN activity, Tx/Rx, Sync, Power

Data Rate

512/256 kbps (user selectable)

Cold Start

8 Seconds

Supply Voltage

10-30 VDC or IEEE 802.3af POE

TX Power Out

User adjustable 20 - 30 dB

Frequency Tolerance

± 1.10 PPM

Bit Error Rate (BER)

-98 dBm for 10x10⁻⁶ @ 512 kbps

-102 dBm for 10x10⁻⁶ @ 256 kbps

Connectors

Serial: Dual DE-9F

Ethernet: RJ-45 10/100 BaseT auto MDIX

Antenna: Dual or Single TNC (model dependent)

Mounting Options

Flat surface, DIN-rail

NEMA 4X rated Infrastructure available

Approvals and Certifications

FCC: NP4-242-5099-100

IC (Doc): 773B-5099100

UL: 46A3



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