

**RF-7800W-PA440**

**DESIGNED FOR THE  
RF-7800W-OU440  
BROADBAND ETHERNET  
RADIO**

**Full coverage  
NATO Band IV  
(4.4–5.0 GHz)**

The RF-7800W-PA440 is a bidirectional amplifier designed specifically for the RF-7800W-OU440 Broadband Ethernet Radio. The RF-7800W-PA440 will provide a minimum system gain of +8 db.

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Operating over the entire range of 4.4 to 5.0 GHz, the RF-7800W-PA440 provides 5 watts peak and 500 milliwatts average transmit power.

The RF-7800W-PA440 can be used to improve range and data rates when operating at longer ranges or when using low gain antennas. The amplifier can be used in both point-to-point and point-to-multipoint modes of the Broadband Ethernet Radio.

The RF-7800W-PA440 is small and lightweight, making it quick and easy to mount next to the Broadband Ethernet Radio and antenna. The amplifier is supplied with all necessary mounting hardware and cabling for mounting next to and connecting with the Broadband Ethernet Radio.

Power for the RF-7800W-PA440 comes from the included power supply or it may be powered from the RF-7800W-JU100 Network Interface Unit. The RF-7800W-PA440—easily installed for range extension and data rate improvement.



## Specifications for the RF-7800W-PA440

### General

Frequency Range	4.4-5.0 GHz
Power Requirements	+48 VDC 40 watts maximum
Transmit Power	+37 dBm peak +27 dBm average
Input Range	0 dBm to +23 dBm
System Noise Figure Improvement	2 dB minimum
VSWR	No damage up to 5:1

### Environmental

Temperature	-40° to +60°C (operational)
Ingress Protection	IP67
Humidity	0-100 %
Altitude	Unpressurized to 10000 feet

### Mechanical

Dimensions	6.5 L x 4.8 W x 2.1 H in. (16.5 x 12.2 x 5.3 cm)
Weight	3.5 lbs. (1.6 kg)
RF Connectors	Type N, Female

### Supplied Accessories

33-meter Power Cable (12069-0032-A110)
Operator Card (10515-6429)
RF Coax Cable (12069-0021-01)
Power Supply (12069-2200-01)

### Optional Accessories

91-meter Power Cable (12069-0032-A300)
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