



# Motorola Wireless Broadband

## PMP 49400 Access Point

**Proven, reliable, cost effective wireless broadband.** Municipalities, counties and local governments need reliable, high-quality broadband connectivity with a low investment cost. Motorola Wireless Broadband delivers Point-to-Multipoint (PMP) systems that are field proven and provide reliable, cost-effective connectivity for data, voice and video applications. The licensed PMP 49400 is particularly adept at serving difficult to reach locations.

### Part Numbers:

4940AP  
Integrated DES  
Access Point

4941AP  
Integrated AES  
Access Point

4940APC  
Connectorized DES  
Access Point

4941APC  
Connectorized AES  
Access Point

### CAP 49400: 4.9 GHz AP

Frequency Band	4940-4990 MHz
Channel Width	10 MHz
Channel Spacing	Configurable on 0.5 MHz increments
Transmit Power	Transmit power control up to 18 dBm
Nominal Receiver Sensitivity (dbm typical)	1X: -89 dBm, 2X: -80 dBm, 3X: -71 dBm
Antenna Gain	Integrated: 17 dBi Connectorized: Varies with antenna type; can operate with a selection of separately-purchased antennas; 50 ohm N-type (check local regulations prior to purchase)
Antenna Beam Width	90 degree coverage for 4-sector applications
EIRP	35 dBm (with integrated antenna)
Modulation	Adapting between QPSK, 16 QAM and 64 QAM
Typical Aggregate Useful Throughput	20 Mbps (Max)
Typical LOS Range	up to 15 miles (24 km) at lowest modulation
Latency	5-7 msec roundtrip
Encryption	DES; 128-bit AES
Interface	10/100BaseT, half/full duplex, rate auto negotiated (802.3 compliant)
Protocols Used	IPv4, UDP, TCP, IP, ICMP, Telnet, SNMP, HTTP, FTP, PPPoE
Network Management	HTTP, Telnet, FTP, SNMPv2c (compatible with Prizm 3.2 or later and CNUT 3.1 and later)
DC Power (typical)	<13W at 56VDC
Dimensions	13.25" H x 8.25" W x 4.38" D (33.7cm H x 21cm W x 11.1cm D) (Integrated AP: 28.75" H x 8.25" W x 11.0" D / 73.02cm H x 20.95cm x 27.94cm D)
Weight	2.8 lbs / 1.27 kg (Integrated AP: 13 lbs / 5.89 kg)
Temperature	-40 degree F to +131 degree F (-40 degree C to +55 degree C) Humidity: 0 to 95%, non-condensing
Mean Time Between Failure (MTBF)	>40 years
FCC ID	ABZ89FT7631
Industry Canada Certification Number	109W-4940

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Specifications subject to change without notice. This product is in process of final FCC certification.

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