



Motorola Wireless Broadband

PMP 49400 Subscriber Module

Cost-efficient and fast wireless broadband connectivity. Municipalities, counties and local government agencies can take advantage of the Motorola licensed PMP 49400 products to support video surveillance, VoIP, leased line replacement and fixed and nomadic data applications. Coverage can be expanded into urban areas where multi-path environments and other obstructions previously limited network expansion.

Part Numbers:

4940SM
Integrated DES
Subscriber Module

4941SM
Integrated AES
Subscriber Module

CAP 49400: 4.9 GHz SM

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
Antenna Beam Width	15 degree horizontal, 15 degree elevation, 3 dB antenna pattern
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)
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
Wind Survival	118mi/hour (190km/hour)
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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