

Outdoor Zone Point Module

Technical Specifications

WIRELESS

- IEEE 802.11b/g
- Frequency band: 2.4-2.483 GHz
- Modulation:
 - 802.11g - OFDM (64-QAM, 16-QAM, QPSK, BPSK)
 - 802.11b - DSSS (DBPSK, DQPSK, CCK)
- TX Power:

Standard-Power	14dBm-24dBm (EIRP) factory-set in 1dB units
High-Power	26dBm-36dBm (EIRP) factory-set in 1dB units
- 7.4dBi Omnidirectional antennas
- Media Access Protocol: CSMA/CA with ACK
- RX Sensitivity:

-100dBm @ 1 Mbps	-90dBm @ 18 Mbps
-94dBm @ 5.5 Mbps	-87dBm @ 24 Mbps
-92dBm @ 11 Mbps	-84dBm @ 36 Mbps
-95dBm @ 6 Mbps	-79dBm @ 48 Mbps
-93dBm @ 12 Mbps	-77dBm @ 54 Mbps
- Transmit and Receive diversity

NETWORKING

- TCP and VPN session persistent roaming
- Full 802.11b/g client compatibility
- NAT support
- Layer 2 and Layer 3 support
- DHCP Server and Relay
- Sub-interface support
- Ethernet port

MANAGEMENT

- HTTPS to on-board configuration management tools
- Secure local and remote configuration via HTTPS
- SNMP V2c
- HotZone MIB
- Browser-based management tool
- Simple configuration save and restore
- Network & client monitoring and statistical capture features

SECURITY

- WPA - Wi-Fi Protected Access (64, 128, 152-WEP with TKIP)
- Multiple ESSIDs
- Full VPN compatibility
- VPN filtering—rejects non-VPN traffic
- MAC address access control lists
- HTTPS only to on-board management tools
- AES encryption of wireless routing
- Packet filtering
- ESSID suppression



ENVIRONMENTAL SPECIFICATIONS

- Operating temperature range: -40°C to 55°C (-40°F to 131°F)
- Storage temperature range: -40°C to 85°C (-40°F to 185°F)
- Weather rating: IP67 weathertight
- Wind survivability: >265.5 km/hr (>165 mph)
- Wind loading (265.5 km/hr or 165 mph): <1024 Newtons
- MIL-STD-810F 509.4 Salt Fog rust resistance compliant
- Shock & vibration: ETSI 300-19-2-4 spec T41.E class 4M3
- Transportation: ISTA 2A

OPTIONAL BATTERY BACK-UP

- Factory Installed Lithium Ion battery
- Back-up power 4-12 hours typical

OPTIONAL ACCESSORIES

- Power Cables
 - Street light NEMA photo-electric control power tap 90-480 V AC, 2 wire, 4 ft. (1.22 meter) power cable
 - Street light NEMA photo-electric control power tap 90-480 V AC, 2 wire, 20 ft. (6.096 m) power cable
 - Electrical power cord, US/Canada 120 VAC, 15 A, 3 prong 6 ft. (1.829 m) or 30 ft. (9.144 m)
- CAT5 building entrance data protection; network protection unit

PACKAGE CONTENTS

- Outdoor Zone Point
- Mounting bracket and accessories
- Hardware Installation and Quick Start Guides

APPROVALS

- FCC CFR 47 Part 15, Class B
- Industry Canada RSS 210
- Taiwan DGT LP0001/LP0002
- VCCI class B
- ARIB STD-T66
- EN 301 489-17
- EN 300 328
- EN 60 950
- IEC 950
- UL 60950-1
- CSA 22.2 No. 950
- UL 579/IEC 60529 IP67 rated for outdoor use
- UL 1449/IEC 60 664-1
- CE!

HARDWARE SPECIFICATIONS

- Autosensing 10/100BaseT Ethernet
- Power input:
 - 90-480VAC 50/60Hz single and split-phase ANSI/IEEE C62.41 category C3 integrated branch circuit protection
 - AC power consumption: 18 W typical
- Power over Ethernet power sourcing capability:
 - 12Vdc @ 14W, 24Vdc @ 12W, 48Vdc @ 10W output
- Power-on and network status lamp: Green/Red
- Dimensions (w/o mounting brackets or antennas):
 - 13.00 in (33.02 cm) wide x 8.00 in (20.32 cm) deep x 5.3 in (13.50 cm) high
- Weight: 14 lbs (6.40 kg) max., with mounting brackets

PROTECTION CIRCUITS

- Antenna Protection: $\leq 0.5\mu\text{Joule}$ for 6kV/3kA @ 8/20 μS Waveform
- Electrical Protection:
 - ANSI/IEEE C62.41, UL 1449-2nd ed., 10kA @ 8/20 μS Wave form, 36kA per phase, L-L, L-N, L-PE
 - EN61000-4-5 Level 4 AC Surge Immunity
 - EN61000-4-4 Level 4 Electrical Fast Transient Burst Immunity
 - EN61000-4-3 EMC Field Immunity
- Data Protection:
 - EN61000-4-2 Level 4 ESD Immunity



Motorola, Inc. 1299 E. Algonquin Road, Schaumburg, Illinois 60196 U.S.A.

MOTOROLA and the Stylized M Logo are registered in the U.S. Patent and Trademark Office. All other product or service names are the property of their respective owners. © Motorola, Inc. 2006