

Technical Specifications

Wireless

- Wireless Standards: IEEE 802.11a/g
- Frequency Bands:
 - 802.11a
 - 5.15 - 5.25 GHz, 5.25 - 5.35 GHz
 - 5.470 - 5.725 GHz (capable), 5.725 - 5.850 GHz
 - 802.11g
 - 2.4 - 2.462 GHz (Americas, FCC)
 - 2.4 - 2.472 GHz (Europe, ETSI)
 - 2.4 - 2.497 GHz (Japan, MKK)
 - U.S. Public Safety
 - 4.940 - 4.990 GHz (FCC DSRC-C)
- Data Rates (Mbps):
 - 6, 9, 12, 18, 24, 36, 48, 54 (802.11a/g/4.9)
- Wireless Medium:
 - 802.11a/g/4.9 – OFDM
- Modulation:
 - 802.11a/4.9 – BPSK, QPSK, 16 QAM, 64 QAM
 - 802.11g – DBPSK, DQPSK, CCK
- Operating Channels:
 - 802.11a
 - 13 (Americas, FCC) 8 indoor, 5 outdoor
 - 13+ (Europe, ETSI), 13 (Japan, MKK)
 - 802.11g
 - 11 (Americas, FCC)
 - 13 (Europe, ETSI), 13 (Japan, MKK)
 - U.S. Public Safety
 - 2 (4.955 GHz, 4.975 GHz)
- Transmit Power (802.11a/g/4.9): 26 dBm
- Transmit and Receive Diversity
- Receiver Sensitivity:

802.11g:	802.11a/4.9:
-98 dBm @ 1 Mbps	-93 dBm @ 6 Mbps
-94 dBm @ 5.5 Mbps	-90 dBm @ 12 Mbps
-91 dBm @ 11 Mbps	-84 dBm @ 24 Mbps
-93 dBm @ 6 Mbps	-81 dBm @ 36 Mbps
-91 dBm @ 12 Mbps	-76 dBm @ 48 Mbps
-85 dBm @ 24 Mbps	-74 dBm @ 54 Mbps
-82 dBm @ 36 Mbps	
-77 dBm @ 48 Mbps	
-75 dBm @ 54 Mbps	
- LO (crystal) Frequency Stability:
 - +/-20PPM

Electrical

- Power Input: Auto-sensing 120/240 VAC, 50/60 Hz, single and split phase, with ANSI/IEEE C62.41 category C3 integrated surge protection
- AC Power Consumption: 30W typical, 65W maximum
- DC Input: 24V, 6A maximum

Protection Circuits

- Electrical Protection: ANSI/IEEE C62.41, UL 1449 2nd edition; 10kA @ 8/20 μ s waveform, 36kA per phase; L-L, L-N, L-PE
- Data Protection: EN61000-4-2 Level 4 ESD Immunity
- EN61000-4-5 Level 4 AC Surge Immunity
- EN61000-4-4 Level 4 Elect. Fast Transient Burst Immun.
- EN61000-4-3 EMV Field Immunity

Environmental

- Operating Temperature: -40°C to +55°C
- Storage Temperature: -50°C to +85°C
- Humidity: 10% to 90% non-condensing
- Weather Rating: IP67 weather tight
- Wind Survivability: >165 mph
- Wind Loading (165 mph): <1024 newtons
- Salt/Fog/Rust Resistance: Mil-STD-810F 509.4
- Shock & Vibration: ESTI 300-192-4 spec T41.E
- Class 4M3 and Mil-STD-810
- Transportation: ISTA 2A and Mil-STD-810

Physical

- 12" high x 10" wide x 6" deep (without accessories)
- Weight: 14.5lbs (6.58 Kg)
- NEMA 4X rated for outdoor enclosures
- Wall mount and pole mount brackets included

Security

- Authentication: 802.1x support, including RADIUS client, EAP-MD5, EAP-TLS, and PEAP-TTLS, WPA
- Encryption: IEEE 802.11i with AES and WEP

Remote Management

- Web, CLI and SNMP interfaces
- Supports BOOTP, DHCP, Telnet, SSH, HTTP, HTTPS, and FTP
- SNMP: MIB II, 802.11 MIB, and Strix private MIBs

Approvals

- FCC CFR47 Part 15, Class A; EN 301 489-1/-17 EN 301 328; EN 301 893
- Industry Canada RSS210
- EN60950 cTUVus Listed I.T.E
- UL 579/IEC 60529 IP67, rated for outdoor use
- UL 1449 2nd edition / IEC 60664-1
- VCCI Class A

Optional Accessories

- Adjustable Mounting Bracket
- Street light NEMA photo-electric power taps

Warranty

- One year parts

Ordering Information

OWS 2400-10
120/240 VAC, 24 VDC auto-sensing, preconfigured with 1-802.11a and 1-802.11g radio, 2 type N antenna connectors, 1 multi-use power connector, and 1 Ethernet connector.

OWS 2400-20
120/240 VAC, 24 VDC auto-sensing, preconfigured with 2-802.11a and 2-802.11g radios, 4 type N antenna connectors, 1 multi-use power connector, and 1 Ethernet connector.

OWS 2400-30
120/240 VAC, 24 VDC auto-sensing, preconfigured with 3-802.11a and 3-802.11g radios, 6 type N antenna connectors, 1 multi-use power connector, and 1 Ethernet connector.