U7 Industrial

SL-U7-Industrial

WIRELESS ACCESS POINT

IP67 industrial WiFi 7 access point with extended-temperature operation, integrated high-gain directional RF system with adjustable isolation and beamwidth control.









OVERVIEW

Dimensions	Device: 170 × 103 × 41.2 mm (6.7 × 4.1 × 1.6") Ball mount installed: 170 × 103 × 107.6 mm (6.7 × 4.1 × 4.2") Adjustable reflectors installed: 177.6 × 299.7 × 177.8 mm (7 × 11.8 × 7") Omnidirectional antennas installed: 341.8 × 103 × 107.6 mm (13.5 × 4.1 × 4.2") *Dimensions with antennas include the ball mount*
WiFi Standard	WiFi 7
Spatial Streams	4
Coverage Area	465 m² (5,000 ft²)
Max. Client Count	200+
Uplink	2.5 GbE
Mounting	Wall, Pole (Mounts included)
Weatherproofing	IP67 *With cable gland properly installed*
Power Method	PoE

PERFORMANCE

MIMO	
5 GHz	2 × 2 (DL/UL MU-MIMO)
2.4 GHz	2 × 2 (DL/UL MU-MIMO)
Max. Data Rate	
5 GHz	4.3 Gbps (BW240) *Depends on regulatory region*
2.4 GHz	688 Mbps (BW40)
Antenna Gain	
5 GHz	Directional internal (Built-in): 10 dBi, 95° x 45° Directional internal (Reflector Wide Angle): 11 dBi, 70° x 45° Directional internal (Reflector Narrow Angle): 12 dBi, 55° x 45° External omni: 6 dBi, 360° x 45°
2.4 GHz	Directional internal (Built-in): 8 dBi, 100° x 45° Directional internal (Reflector Wide Angle): 9 dBi, 80° x 45° Directional internal (Reflector Narrow Angle): 10 dBi, 65° x 45° External omni: 5 dBi, 360° x 45°
Max. TX Power	
5 GHz	24 dBm
2.4 GHz	23 dBm

FEATURES

Wireless Meshing	✓ Yes
Band Steering	✓ Yes
802.11v BSS Transition Management	✓ Yes
802.11r Fast Roaming	✓ Yes
802.11k Radio Resource Management (RRM)	✓ Yes
Advanced Radio Management	✓ Yes
Real-Time Spectral Analysis	✓ Yes *For enhanced channel selection*
Passpoint (Hotspot 2.0)	✓ Yes
Captive Hotspot Portal	
Custom Branding Landing Page	✓ Yes
Voucher Authentication	✓ Yes
Payment-Based Authentication	✓ Yes
External Portal Server Support	✓ Yes

Password Authentication	✓ Yes
Guest Network Isolation	✓ Yes
Private Pre-Shared Key (PPSK)	✓ Yes
WiFi Speed Limiting	✓ Yes
Client Device Isolation	✓ Yes
WiFi Schedules	✓ Yes
RADIUS over TLS (RadSec)	✓ Yes
Dynamic RADIUS-assigned VLAN	✓ Yes

HARDWARE

Max. Power Consumption	13W
Supported Voltage Range	42.5–57V DC
Networking Interface	(1) 2.5 GbE RJ45 port
Weight	Device: 577 g (1.3 lb) Ball mount: 163 g (5.8 oz) Reflector antenna set: 500 g (1.1 lb) Omni antenna set: 52 g (1.8 oz)
Wind Loading	97.3 N at 200 km/h (21.9 lbf at 125 mph)
Pole Mount Diameter	1–2.5" (25–63.5 mm)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Aluminum alloy
LEDs	
System	(4) Blue: signal (1) White/Blue: indicator
Ambient Operating Temperature	-40 to 70° C (-40 to 158° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓ Yes
Certifications	CE, FCC, IC

PRODUCT DRAWINGS







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