

ES210 Tactical Mesh Point

Overview	Features	Applications	Specifications	Technology	Photos	Other Info
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Mechanical

Dimensions:
• 7" x 3.3" x 1.7"

Weight:
• 2.1 lbs including battery

Mounting:
• Mounting Bracket Kit
(Wall, Mast, Magnetic)

Environmental

Operating Temperature:
• -10°C to +60 °C
(14° F to +140 ° F)

Storage Temperature:
• -10°C to +60 °C
(14° F to +140 ° F)

Cooling
• Convection cooled (no fans)

Humidity
• 5% - 95% non-condensing

Power

Rechargeable Battery:
• 6 hr operation

Battery Charge Time:
• 3 hr maximum (at 0°C - 45°C)

Voltage:
• 9 to 30 VDC

Interfaces

Ethernet:
• 2 x RJ45 Ethernet 10/100BT

Serial:
• 3 Pin Conn-X connector

Power:
• 2 Pin Conn-X connector

Antenna:
• 1 x RP-TNC Connector
• 1 x SMA Connector (GPS)

Security

FIPS:
• FIPS 140-2 level 2

Encryption:
• AES-CTR-128/192/256
• AES-GCM-128/256
• AES-CCM-128
• WPA2 (802.11i)
• IPsec (Suite B and Legacy)
• NSA Suite B Upgradeable*

Performance

Sustained FIPS
Throughput
50 Mbps

Management

Access:
• Secure Browser-based GUI
• Serial CLI (physical access)
• SSH (network)
• SNMP monitoring

Indicators:
• Power
• Battery
• Ethernet 1 link/activity
• Ethernet 2 link/activity
• Radio activity
• Crypto

Control via Pushbuttons
• Power
• Blackout Mode
• RF Kill
• Zeroization

Networking

IP Compatibility:
• IPv4 and IPv6
• Integrated DHCP and DNS

Wireless
• Self-forming, self-healing,
and path- optimizing Fortress
FastPath Mesh™

RF

ES210-3
• 250 mW 802.11a/b/g/n

ES210-4
• 250 mW 802.11n 4.4GHz

Certification

Safety and Emissions:
• CE, FCC, ETSI, CB Test, IC,
RoHS

Environmental
• ROHS-6

DFS
• FCC, ETSI

NIST
• FIPS 140-2 level 2

Wi-Fi Alliance
• Wi-Fi a/b/g

HERO/HERF/HERP

EMI
• MIL-STD 461F

Harsh Environments
Shock, Environment
& Temperature
• MIL-STD 810G

Weather Resistance
Protection Rating
• IP67 submersible

MTBF
• 100,000 hrs

Manufacture & Warranty

Manufacturing Origin:
• USA

Warranty:
• 1 year of limited
warranty

* NSA Approval Required