



Industrial IP-50 802.11 AP
Ideal for Factory Indoors and Warehouses

IAP50-082: Industrial Access Point

Rugged Industrial & Warehouse 802.11b, IP50

Product Highlights

- Heavy duty industrial IP50 Access Point for factories and warehouses
- Power over Ethernet (PoE, max 100 mts) CAT-5/6 cable for field deployment.
- Over-the-Air WifiMAX linking for up to 16 nodes. (Optional)
- WAN connection using Ethernet or DSL. Integrated DSL dialer (incl. DDNS) & router.
- Radio configuration during productive uptime (ex. TX-Power, channel).
- Max EIRP 100mW, software configurable
- Multiple mounting options by replaceable back-plane : Rail, Mast and Wall mounts
- 2x 5dbi omni-directional Antennas with RP-TNC

Technical Specification Sheet

Case Construction	IP50 Aluminum case with EMV shielding
Dimensions	L x B x H: 21cm x 20cm x 14 cm
RJ45-Ethernet	Dust proof connector w/ PoE possibility
Administration	Max-Panel Web-GUI, WPA, Transitive-OTA bridging, firewall. Optional VPN (point to point or client server). Advanced customization possible.
Security	802.11i with 802.1x RADIUS Authentication VPN pass through firewall configuration
Network Infrastructure	Over-the-Air Transitive Bridging for organic network growth up to 16 Access Point nodes
Mounting Options	Standard: Accessory-Kit contains Wall Mount and Pole Mount brackets. Optional: Rail Mount bracket (50 mm)
Additional Features	Standard Omni-directional antennas mountable on top and bottom of AP. Ideal for signal loss prevention for roof-bottom installations.
RF Output Power	100mW max, selectable (please check legal limits in your region). ETSI 300/328/CE, FCC Part 15/UL, applies to radio. 23dBm FCC, 20dBm CE.
Temperature Range	-10° C to 55° C - Operating -20° C to 80° C – Storage
Humidity (non-condensing)	5% to 95% typical
Radio Data Rate	11, 5.5, 2 and 1 Mbps, Auto Fall-Back
Range (open environment)	11 Mbps - 300m/450m (13 dBm output power) 5.5 Mbps - 400m/600m (13 dBm output power) 2 Mbps - 500m/750m (13 dBm output power) 1 Mbps - 800m/1200m (13 dBm output power)
Operating Voltage	9-12VDC
Compatibility	Fully interoperable with IEEE802.11b compliant products
Power Supply	9VDC industrial variable power supply included POE adapter optional



Packaging List

- » Access Point Main Unit
- » 2 RP-TNC 5dbi Omni-Antennas
- » 9VDC Industrial Variable Power Supply
- » Mounting Kit with Wall, pole brackets and accessories

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