

Item no.: 385463

AWK-4131A-US-T - 802.11abgn access point, US band, IP68, -40 to 75C operating temperature

from **1.140,87 EUR**

Item no.: 385463
shipping weight: 1.40 kg
Manufacturer: MOXA



Product Description

802.11a/b/g/n access point, US band, IP68, -40 to 75°C operating temperature
WLAN interface- WLAN standards: 802.11a/b/g/n; 802.11i Wireless security- Modulation type: DSSS; OFDM; MIMO-OFDM- Frequency band for USA (20 MHz operating channels):2.412 to 2.462 GHz (11 channels)5.180 to 5.240 GHz (4 channels)5.260 to 5.320 GHz (4 channels) 5.500 to 5.700 GHz (8 channels) except 5.600 to 5.640 GHz:5.745 to 5.825 GHz (5 channels)- Wireless security:WEP encryption (64-bit and 128-bit)WPA/WPA2-Enterprise (IEEE 802.1X/RADIUS, TKIP, AES)WPA/WPA2-Personal- Transmission rate:802.11b: 1 to 11 Mbps802.11a/g: 6 to 54 Mbps802.11n: 6.5 to 300 Mbps- Transmission power for 802.11a:23±1.5 dBm @ 6 to 24 Mbps21±1.5 dBm @ 36 Mbps20±1.5 dBm @ 48 Mbps18±1.5 dBm @ 54 Mbps- Transmission power for 802.11n (5 GHz):23±1.5 dBm @ MCS0/8 20 MHz18±1.5 dBm @ MCS7/15 20 MHz23±1.5 dBm @ MCS0/8 40 MHz17±1.5 dBm @ MCS7/15 40 MHz- Transmission power for 802.11b:26±1.5 dBm @ 1 Mbps26±1.5 dBm @ 2 Mbps26±1.5 dBm @ 5.5 Mbps25±1.5 dBm @ 11 Mbps- Transmission power for 802.11g:23±1.5 dBm @ 6 to 24 Mbps21±1.5 dBm @ 36 Mbps19±1.5 dBm @ 48 Mbps18±1.5 dBm @ 54 Mbps- Transmission power for 802.11n (2.4 GHz):23±1.5 dBm @ MCS0/8 20 MHz18±1.5 dBm @ MCS7/15 20 MHz23±1.5 dBm @ MCS0/8 40 MHz17±1.5 dBm @ MCS7/15 40 MHz- Receive sensitivity for 802.11a (measured at 5.680 GHz):Type. -90 @ 6 MbpsType. -88 @ 9 MbpsType. -88 @ 12 MbpsType. -85 @ 18 MbpsType. -81 @ 24 MbpsType. -78 @ 36 MbpsType. -74 @ 48 MbpsType. -72 @ 54 MbpsNote: Due to a limitation in receiver sensitivity performance for channels 153 and 161, it is recommended not to use these channels in your critical applications.- Receiver sensitivity for 802.11n (5 GHz; measured at 5.680 GHz):Type. -69 dBm @ MCS7 20 MHzType. -71 dBm @ MCS15 20 MHzType. -63 dBm @ MCS7 40 MHzType. -68 dBm @ MCS15 40 MHzNote: Due to a limitation in receiver sensitivity performance for channels 153 and 161, it is recommended not to use these channels in your critical applications.- Receiver sensitivity for 802.11b (measured at 2.437 GHz):Type. -93 dBm @ 1 MbpsType. -93 dBm @ 2 MbpsType. -93 dBm @ 5.5 MbpsType. -88 dBm @ 11 Mbps- Reception sensitivity for 802.11g (measured at 2.437 GHz):Type. -88 dBm @ 6 MbpsType. -86 dBm @ 9 MbpsType. -85 dBm @ 12 MbpsType. -85 dBm @ 18 MbpsType. -85 dBm @ 24 MbpsType. -82 dBm @ 36 MbpsType. -78 dBm @ 48 MbpsType. -74 dBm @ 54 Mbps- Reception sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz):Type. -70 dBm @ MCS7 20 MHzType. -69 dBm @ MCS15 20 MHzType. -67 dBm @ MCS7 40 MHzType. -67 dBm @ MCS15 40 MHzWLAN operating mode: Access point, client, client router, master, slave, snifferAntenna: External, 3/6 dBi, omnidirectionalWLAN antenna connection: 2 N socketsEthernet interface- Standards:IEEE 802.3 for 10BaseTIEEE 802.3u for 100BaseT(X)IEEE 802.3ab for 1000BaseT(X)IEEE 802.3at for PoEIEEE 802.1D-2004 for Spanning Tree ProtocolIEEE 802.1w for Rapid Spanning Tree ProtocolIEEE 802.1Q for VLAN taggingPoE ports (10/100/1000BaseT(X), RJ45 connection): 1Ethernet software functions- Management: DHCP server/client, DNS, HTTP, IPv4, LLDP, Proxy ARP, SMTP, SNMPv1/v2c/v3, Syslog, TCP/IP, Telnet, UDP, VLAN, Wireless Search - Utility, MXview, MXview Wireless, MXconfig- Routing: Static route, NAT, port forwarding- Redundancy protocols: RSTP, STP- Security: HTTPS/SSL, RADIUS, SSH- Time management: SNTP clientFirewall- Filter: ICMP, MAC address, IP protocol, port-basedSerial interface- Console connection: RS-232, 8-pin RJ45LED interface- LED indicators: PWR, FAULT, STATE, WLAN, LANInput/output interface- Alarm contact channels: Relay output with a current carrying capacity of 1 A @ 24 VDC- Buttons: Reset button- Digital inputs:+13 to +30 V for state 1+3 to -30 V for state 0- Max. input current: 8 mA Physics. Input current: 8 mAPhysical properties- Housing: Metal- IP protection class: IP68- Dimensions: 224 x 147.7 x 66.5 mm (8.82 x 5.82 x 2.62 inches)- Weight: 1.400 g (3.09 lb)- Mounting: Wall mounting (standard), DIN rail mounting (optional), pole mounting (optional)Performance parameters- Input current: 0.64 A @ 12 VDC. 0.16 A @ 48 VDC- Input voltage: 12 to 48 VDC, redundant dual inputs, 48 VDC Power-over-Ethernet- Power connection: M12 A-coded 5-pin connector- Power consumption: 7.68 W (max.)- Reverse polarity protection: SupportsEnvironmental conditions- Operating temperature: -40 to 75°C (-40 to 167°F)- Storage temperature (including packaging): -40 to 85°C (-40 to 185°F)- Ambient relative humidity: 5 to 95% (non-condensing)Standards and certifications- EMC: EN 61000-6-2/-6-4- EMI: CISPR 32, FCC Part 15B Class A- EMS:IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 10 V/mIEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kVIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kVIEC 61000-4-6 CS: 10 VIEC 61000-4-8 PFMF- Radio: EN 300 328, EN 301 489-1/17, EN 301 893, FCC ID SLE-WAPN008, ANATEL, MIC, NCC, RCM, SRRRC, WPC, KC- Safety: EN 60950-1, UL 60950-1- Vibration: IEC 60068-2-6MTBF- Time: 440,764 hours- Standards: Telcordia SR332

Specifications

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