

Item no.: 385468

## AWK-3131A-JP-T - 802.11abgn access point, JP band, -40 to 75C operating temperature

from **660,90 EUR**

Item no.: 385468  
shipping weight: 1.00 kg  
Manufacturer: MOXA



### Product Description

802.11a/b/g/n access point, JP band, -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 JP (20 MHz operating channels): 2.412 to 2.484 GHz (14 channels) 5.180 to 5.240 GHz (4 channels) 5.260 to 5.320 GHz (4 channels) 5.500 to 5.700 GHz (11 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 Mbps 802.11a/g: 6 to 54 Mbps 802.11n: 6.5 to 300 Mbps  
Transmitter Power for 802.11a: 23±1.5 dBm @ 6 to 24 Mbps 21±1.5 dBm @ 36 Mbps 20±1.5 dBm @ 48 Mbps 18±1.5 dBm @ 54 Mbps  
Transmitter Power for 802.11n (5 GHz): 23±1.5 dBm @ MCS0/8 20 MHz 18±1.5 dBm @ MCS7/15 20 MHz 23±1.5 dBm @ MCS0/8 40 MHz 17±1.5 dBm @ MCS7/15 40 MHz  
Transmitter Power for 802.11b: 26±1.5 dBm @ 1 Mbps 26±1.5 dBm @ 2 Mbps 26±1.5 dBm @ 5.5 Mbps 25±1.5 dBm @ 11 Mbps  
Transmitter Power for 802.11g: 23±1.5 dBm @ 6 to 24 Mbps 21±1.5 dBm @ 36 Mbps 19±1.5 dBm @ 48 Mbps 18±1.5 dBm @ 54 Mbps  
Transmitter Power for 802.11n (2.4 GHz): 23±1.5 dBm @ MCS0/8 20 MHz 18±1.5 dBm @ MCS7/15 20 MHz 23±1.5 dBm @ MCS0/8 40 MHz 17±1.5 dBm @ MCS7/15 40 MHz  
Receiver Sensitivity for 802.11a (measured at 5.680 GHz): Typ. -90 @ 6 Mbps Typ. -88 @ 9 Mbps Typ. -88 @ 12 Mbps Typ. -85 @ 18 Mbps Typ. -81 @ 24 Mbps Typ. -78 @ 36 Mbps Typ. -74 @ 48 Mbps Typ. -72 @ 54 Mbps  
Note: Due to a limitation in the receiver sensitivity performance for channels 153 and 161, it is recommended to avoid using these channels in your critical applications.  
Receiver Sensitivity for 802.11n (5 GHz; measured at 5.680 GHz): Typ. -69 dBm @ MCS7 20 MHz Typ. -71 dBm @ MCS15 20 MHz Typ. -63 dBm @ MCS7 40 MHz Typ. -68 dBm @ MCS15 40 MHz  
Note: Due to a limitation in the receiver sensitivity performance for channels 153 and 161, it is recommended to avoid using these channels in your critical applications.  
Receiver Sensitivity for 802.11b (measured at 2.437 GHz): Typ. -93 dBm @ 1 Mbps Typ. -93 dBm @ 2 Mbps Typ. -93 dBm @ 5.5 Mbps Typ. -88 dBm @ 11 Mbps  
Receiver Sensitivity for 802.11g (measured at 2.437 GHz): Typ. -88 dBm @ 6 Mbps Typ. -86 dBm @ 9 Mbps Typ. -85 dBm @ 12 Mbps Typ. -85 dBm @ 18 Mbps Typ. -85 dBm @ 24 Mbps Typ. -82 dBm @ 36 Mbps Typ. -78 dBm @ 48 Mbps Typ. -74 dBm @ 54 Mbps  
Receiver Sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz): Typ. -70 dBm @ MCS7 20 MHz Typ. -69 dBm @ MCS15 20 MHz Typ. -67 dBm @ MCS7 40 MHz Typ. -67 dBm @ MCS15 40 MHz  
WLAN Operation Mode: Access point, Client, Client-Router, Master, Slave, Sniffer  
Antenna: External, 2/2 dBi, Omni-directional  
Antenna Connectors: 2 RP-SMA female  
Ethernet Interface Standards: IEEE 802.3 for 10BaseT IEEE 802.3u for 100BaseT(X) IEEE 802.3ab for 1000BaseT(X) IEEE 802.3at for PoE IEEE 802.1Q for VLAN Tagging IEEE 802.1X for authentication IEEE 802.1D-2004 for Spanning Tree Protocol IEEE 802.1w for Rapid Spanning Tree Protocol  
PoE Ports (10/100/1000BaseT(X), RJ45 connector): 1 Ethernet Software Features 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: Port forwarding, Static Route, NAT  
Redundancy Protocols: RSTP, STP  
Security: HTTPS/SSL, RADIUS, SSH  
Time Management: SNTP Client  
Firewall Filter: ICMP, MAC address, IP protocol, Port-based  
Serial Interface Console Port: RS-232, 8-pin RJ45  
LED Interface LED Indicators: PWR1, PWR2, PoE, FAULT, STATE, SIGNAL, WLAN, LAN  
Input/Output Interface Digital Inputs: 2 Max. input current: 8 mA +13 to +30 V for state 1 +3 to -30 V for state 0  
Alarm Contact Channels: Relay output with current carrying capacity of 1 A @ 24 VDC  
Buttons: Reset button  
Physical Characteristics Housing: Metall  
IP Rating: IP30  
Dimensions: 52.7 x 135 x 105 mm (2.08 x 5.32 x 4.13 in)  
Weight: 860 g (1.9 lb)  
Installation: DIN-rail mounting, Wall mounting (with optional kit)  
Power Parameters Input Current: 0.6 A @ 12 VDC, 0.15 A @ 48 VDC Input Voltage: 12 to 48 VDC, Redundant dual inputs, 48 VDC  
Power-over-Ethernet Power Connector: 1 removable 10-contact terminal block(s)  
Power Consumption: 7.2 W (max.)  
Reverse Polarity Protection: Supported  
Environmental Limits Operating Temperature: -40 to 75°C (-40 to 167°F) Storage Temperature (package included): -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 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power: 2 kV; Signal: 2 kV IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV IEC 61000-4-6 CS: 3 V IEC 61000-4-8 PFMF Hazardous Locations: ATEX, Class I Division 2, IECEx Radio: EN 300 328, EN 301 489-1/17, EN 301 893, FCC ID SLE-WAPN008, ANATEL, MIC, NCC, RCM, SRRC, WPC, KCSafety: EN 60950-1, UL 60950-1  
Vibration: IEC 60068-2-6  
MTBF Time: 570,854 hrs  
Standards: Telcordia SR332

### Specifications

Scan this QR code to view the product  
All details, up-to-date prices and availability

