

Item no.: 385475

## AWK-3252A-UN - 802.11abgnac access point, UN band, -25 to 60C operating temperature

from **655,76 EUR**

Item no.: 385475  
shipping weight: 0.90 kg  
Manufacturer: MOXA



### Product Description

Moxa's extensive collection of industrial-grade wireless 3-in-1 AP/bridge/client products combine a rugged casing with high-performance Wi-Fi connectivity to deliver a secure and reliable wireless network connection that will not fail, even in environments with water, dust, and vibrations. 802.11a/b/g/n/ac access point, UN band, -25 to 60°C operating temperature

**WLAN Interface- WLAN Standards**  
2.4 GHz: 802.11b/g/n with 256 QAM support  
5 GHz: 802.11a/n/ac Wave 2 with 256 QAM support- Frequency Band for UN (20 MHz operating channels)  
2.412 to 2.472 GHz (13 channels)  
5.180 to 5.240 GHz (4 channels)  
5.745 to 5.825 GHz (5 channels)  
Available channels change depending on the selected country or region code.

**5.500 to 5.700 GHz (11 channels)**  
5.260 to 5.320 GHz (4 channels) - Wireless Security WPA/WPA2/WPA3-Enterprise (IEEE 802.1X/RADIUS, TKIP, AES) WPA/WPA2/WPA3-Personal- Transmission Rate

**2.4 GHz: 802.11b:** 1 to 11 Mbps  
**802.11g:** 6 to 54 Mbps  
**802.11n:** 6.5 to 400 Mbps  
**5 GHz: 802.11a:** 6 to 54 Mbps  
**802.11n:** 6.5 to 300 Mbps  
**802.11ac:** 6.5 to 867 Mbps- Transmitter Power for 802.11a (Dual Chain) 25±1.5 dBm @ 6 Mbps  
23±1.5 dBm @ 54 Mbps- Transmitter Power for 802.11n (5 GHz, Dual Chain) 25±1.5 dBm @ MCS0 20 MHz  
22±1.5 dBm @ MCS7 20 MHz  
24±1.5 dBm @ MCS0 40 MHz  
22±1.5 dBm @ MCS7 40 MHz- Transmitter Power for 802.11a (Dual Chain) 25±1.5 dBm @ MCS0 20 MHz  
22±1.5 dBm @ MCS8 20 MHz  
24±1.5 dBm @ MCS0 40 MHz  
21±1.5 dBm @ MCS9 40 MHz  
23±1.5 dBm @ MCS0 80 MHz  
20±1.5 dBm @ MCS9 80 MHz- Transmitter Power for 802.11b (Dual Chain) 29±1.5 dBm @ 1 Mbps  
29±1.5 dBm @ 11 Mbps  
Transmitter Power for 802.11g (Dual Chain) 29±1.5 dBm @ 6 Mbps  
26±1.5 dBm @ 54 Mbps- Transmitter Power for 802.11n (2.4 GHz, Dual Chain) 28±1.5 dBm @ MCS0 20 MHz  
25±1.5 dBm @ MCS7 20 MHz  
25±1.5 dBm @ MCS0 40 MHz  
25±1.5 dBm @ MCS7 40 MHz- Receiver Sensitivity for 802.11a (measured at 5.680 GHz) Typ. -88 @ 6 Mbps Typ. -72 @ 54 Mbps- Receiver Sensitivity for 802.11n (5 GHz; measured at 5.680 GHz) Typ. -88 dBm @ MCS0 20 MHz Typ. -68 dBm @ MCS7 20 MHz Typ. -84 dBm @ MCS0 40 MHz Typ. -66 dBm @ MCS7 40 MHz- Receiver Sensitivity for 802.11a Typ. -88 dBm @ MCS0 20 MHz Typ. -65 dBm @ MCS8 20 MHz Typ. -85 dBm @ MCS0 40 MHz Typ. -60 dBm @ MCS9 40 MHz Typ. -81 dBm @ MCS0 80 MHz Typ. -55 dBm @ MCS9 80 MHz- Receiver Sensitivity for 802.11b (measured at 2.437 GHz) Typ. -96 dBm @ 1 Mbps Typ. -88 dBm @ 11 Mbps- Receiver Sensitivity for 802.11g (measured at 2.437 GHz) Typ. -90 dBm @ 6 Mbps Typ. -74 dBm @ 54 Mbps- Receiver Sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz) Typ. -90 dBm @ MCS0 20 MHz Typ. -70 dBm @ MCS7 20 MHz Typ. -87 dBm @ MCS0 40 MHz Typ. -69 dBm @ MCS7 40 MHz- WLAN Operation Mode Access point 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 802.3af for PoE IEEE 802.3at for PoE IEEE 802.3az for Energy-Efficient Ethernet IEEE 802.1Q for VLAN Tagging IEEE 802.1X for authentication- 10/100/1000BaseT(X) Ports (RJ45 connector) 1- PoE Ports (10/100/1000BaseT(X), RJ45 connector) 1 Ethernet Software Features- Management DHCP Server DHCP Client DNS HTTP IPv4 LLDP SNMP v1/v2c/v3 Syslog TCP/IP Telnet UDP VLAN Mx config- Routing Port forwarding Static Route NAT- Security HTTPS/SSL RADIUS SSH Certificate Management- Time Management SNMP Client Firewall- Filter ICMP MAC address IP protocol Port-based Wi-Fi ACL Client Isolation Serial Interface- Console Port RS-2328-pin RJ45 USB Interface- Storage Port USB Type A LED Interface- LED Indicators PWR1, PWR2, PoE, SYS, 2.4G, 5G, LAN1, LAN2 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 Metal- IP Rating IP30- Dimensions 45 x 130 x 100 mm (1.77 x 5.12 x 3.94 in)- Weight 700 g (1.5 lb)- Installation DIN-rail mounting Wall mounting (with optional kit) Power Parameters- Input Current 12-48 VDC, 2.2-0.5 A- 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 28.4 W (max.) Environmental Limits- Operating Temperature -25 to 60°C (-13 to 140°F)- Storage Temperature (package included) -40 to 85°C (-40 to 185°F)- Ambient Relative Humidity 5 to 95% (non-condensing) Standards and Certifications- EMCEN 61000-6-2/-6-4-EN 55032/35- EMI CISPR 32, FCC Part 15B Class A- EMSIEC 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: 2 kVIEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kVIEC 61000-4-6 CS: 10 V/mIEC 61000-4-8 PFMF: 30 A/m- Safety IEC 60950-1IEC 62368-1UL 62368-1- Hazardous Locations ATEX Class I Division 2IECEX- Road Vehicles E mark E1- Vibration IEC 60068-2-6- Radio EN 300 328, EN 301 489-1/17, EN 301 893, ANATEL, FCC, MIC, NCC, RCM, SRRC, WPC, KC, NBTC, IC- Industrial Cybersecurity IEC 62443-4-1IEC 62443-4-2MTBF- Time 653,801 hrs- Standards Telcordia SR332

### Specifications

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

