

Item no.: 385460

## AWK-3252A-US-T - 802.11abgnac access point, US band, operating temperature -40 to 75 °C

from **768,32 EUR**

Item no.: 385460  
shipping weight: 0.70 kg  
Manufacturer: MOXA



### Product Description

Moxa's extensive range of industrial-grade 3-in-1 wireless AP/bridge/client products combine a rugged housing with high-performance Wi-Fi connectivity to provide a secure and reliable wireless network connection that will not fail in environments with water, dust and vibration.

**802.11a/b/g/n/ac access point, US band, -40 to 75°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 USA (20 MHz operating channels)  
 5.745 to 5.825 GHz (5 channels)  
 2.412 to 2.462 GHz (11 channels)  
 5.180 to 5.240 GHz (4 channels)  
 5.500 to 5.700 GHz (11 channels)  
 5.260 to 5.240 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- Transmission performance for 802.11a (Dual Chain)  
 25±1.5 dBm @ 6 Mbps  
 23±1.5 dBm @ 54 Mbps- Transmit power for 802.11n (5 GHz, Dual Chain)  
 25±1.5 dBm @ MCS0 20 MHz  
 22±1.5 dBm @ MCS0 40 MHz  
 22±1.5 dBm @ MCS7 40 MHz- Transmission power for 802.11ac (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- Transmission power for 802.11b (Dual Chain)  
 29±1.5 dBm @ 1 Mbps  
 29±1.5 dBm @ 11 Mbps- Transmission power for 802.11g (Dual Chain)  
 29±1.5 dBm @ 6 Mbps  
 26±1.5 dBm @ 54 Mbps- Transmission power for 802.11n (2.4 GHz, Dual Chain)  
 28±1.5 dBm @ MCS0 20 MHz  
 25±1.5 dBm @ MCS7 20 MHz  
 28±1.5 dBm @ MCS0 40 MHz  
 25±1.5 dBm @ MCS7 40 MHz- Receive sensitivity for 802.11a (measured at 5.680 GHz)  
 Typ. -88 @ 6 Mbps  
 Typ. -72 @ 54 Mbps- Reception sensitivity for 802.11n (5 GHz; measured at 5.680 GHz)  
 Type. -88 dBm @ MCS0 20 MHz  
 Typ. -68 dBm @ MCS7 20 MHz  
 Typ. -84 dBm @ MCS0 40 MHz  
 Type. -66 dBm @ MCS7 40 MHz- Reception sensitivity for 802.11ac  
 Type. -88 dBm @ MCS0 20 MHz  
 Type. -65 dBm @ MCS8 20 MHz  
 Type. -85 dBm @ MCS0 40 MHz  
 Type. -60 dBm @ MCS9 40 MHz  
 Type. -81 dBm @ MCS0 80 MHz  
 Type. -55 dBm @ MCS9 80 MHz- Reception sensitivity for 802.11b (measured at 2.437 GHz)  
 Type. -96 dBm @ 1 Mbps  
 Type. -88 dBm @ 11 Mbps- Reception sensitivity for 802.11g (measured at 2.437 GHz)  
 Type. -90 dBm @ 6 Mbps  
 Type. -74 dBm @ 54 Mbps- Receiver sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz)  
 Type. -90 dBm @ MCS0 20 MHz  
 Typ. -70 dBm @ MCS7 20 MHz  
 Typ. -87 dBm @ MCS0 40 MHz  
 Typ. -69 dBm @ MCS7 40 MHz- WLAN operating mode  
 Access Point  
 Client  
 Client-Router  
 Master  
 Slave  
 Sniffer- Antenna  
 External, 2/2 dBi  
 Omnidirectional- Antenna connections  
 2 RP-SMA sockets  
 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) connections (RJ45 connection)  
 1- PoE connections (10/100/1000BaseT(X), RJ45 connection)  
 1 Ethernet software features- Management  
 DHCP server  
 DHCP client  
 DNS  
 HTTP  
 IPv4  
 LLDP  
 SMTP  
 NTP  
 v1/v2/c/v3  
 Syslog  
 TCP/IP  
 Telnet  
 UDP  
 VLAN  
 NM  
 Xconfig- Routing  
 Routing  
 Port forwarding  
 Static route  
 NAT- Security  
 HTTPS/SSL  
 RADIUS  
 SSH  
 Certificate management- Time management  
 Time management  
 SNTP 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- USB type A memory port  
 LED interface- LED indicators  
 PWR1, PWR2, PoE, SYS, 2.4G, 5G, LAN1, LAN2  
 Input/output interface- Digital inputs  
 2Max. Input current: 8 mA  
 +13 to +30 V for state 1  
 +3 to -30 V for state 0- Alarm contact channels  
 Relay output with a current carrying capacity of 1 A @ 24 VDC- Reset button  
 Physical properties- Metal housing- Protection class  
 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)  
 Performance 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 connection  
 1 detachable 10-contact terminal block(s)- Power consumption  
 28.4 W (max.)  
 Environmental 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  
 EN 55032/35 - 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: 10 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: 10 V/m  
 IEC 61000-4-8 PFMF: 30 A/m- Safety  
 IEC 60950-1  
 IEC 62368-1  
 UL 62368-1- Hazardous areas  
 ATEX  
 Class I Division 2  
 IECEx- 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 cyber security  
 IEC 62443-4-1  
 IEC 62443-4-2  
 MTBF- Time  
 653,801 hours- Standards  
 Telcordia SR332

### Specifications

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