

Item no.: 385457

AWK-1137C-US - 802.11abgn wireless client, US band, 0 to 60C operating temperature

from 413,32 EUR

Item no.: 385457
shipping weight: 0.60 kg
Manufacturer: MOXA



Product Description

IntroductionThe AWK-1137C is an ideal client solution for industrial wireless mobile applications. It enables WLAN connections for both Ethernet and serial devices, and is compliant with industrial standards and approvals covering operating temperature, power input voltage, surge, ESD, and vibration. The AWK-1137C can operate on either the 2.4 or 5 GHz bands, and is backwards-compatible with existing 802.11a/b/g deployments to future-proof your wireless investments. The Wireless add-on for the MXview network management utility visualizes the AWK's invisible wireless connections to ensure wall-to-wall Wi-Fi connectivity. **Industrial Ruggedness**- Integrated antenna and power isolation designed to provide 500 V insulation protection against external electrical interference- -40 to 75°C wide operating temperature models (-T) available for smooth wireless communication in harsh environments **Mobility-oriented Design**- Client-based Turbo Roaming for < 150 ms roaming recovery time between APs- MIMO technology to ensure transmitting and receiving capability while on the move- Anti-vibration performance (with reference to IEC 60068-2-6) **Easy Integration**- Semi-automatically configurable to reduce deployment cost- AeroMag support for error-free setup of your industrial applications' basic WLAN settings- Various communication interfaces for connecting to different types of devices- One-to-many NAT to simplify your machine setup **Wireless Network Management** With MXview Wireless- Dynamic topology view shows the status of wireless links and connection changes at a glance- Visual, interactive roaming playback function to review the roaming history of clients- Detailed device information and performance indicator charts for individual AP and client devices **WLAN Interface**- WLAN Standards: 802.11a/b/g/n, 802.11i **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- 18±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- 22±1.5 dBm @ 36 Mbps- 20±1.5 dBm @ 48 Mbps- 19±1.5 dBm @ 54 Mbps **Transmitter Power for 802.11n (2.4 GHz)**:- 23±1.5 dBm @ MCS0/8 20 MHz- 17±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. -87 @ 12 Mbps- Typ. -85 @ 18 Mbps- Typ. -81 @ 24 Mbps- Typ. -78 @ 36 Mbps- Typ. -74 @ 48 Mbps- Typ. -73 @ 54 Mbps **Receiver Sensitivity for 802.11n (5 GHz; measured at 5.680 GHz)**:- Typ. -69 dBm @ MCS7 20 MHz- Typ. -70 dBm @ MCS15 20 MHz- Typ. -64 dBm @ MCS7 40 MHz- Typ. -66 dBm @ MCS15 40 MHz **Receiver Sensitivity for 802.11b (measured at 2.437 GHz)**:- Typ. -89 dBm @ 1 Mbps- Typ. -89 dBm @ 2 Mbps- Typ. -89 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. -88 dBm @ 9 Mbps- Typ. -88 dBm @ 12 Mbps- Typ. -87 dBm @ 18 Mbps- Typ. -84 dBm @ 24 Mbps- Typ. -81 dBm @ 36 Mbps- Typ. -77 dBm @ 48 Mbps- Typ. -75 dBm @ 54 Mbps **Receiver Sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz)**:- Typ. -70 dBm @ MCS7 20 MHz- Typ. -70 dBm @ MCS15 20 MHz- Typ. -64 dBm @ MCS7 40 MHz- Typ. -65 dBm @ MCS15 40 MHz **WLAN Operation Mode**: Client, Client-Router, Slave, Sniffer- **Antenna**: External, 2/2 dBi, Omni-directional- **Antenna Connectors**: 2 RP-SMA female **Ethernet Interface**- 10/100BaseT(X) Ports (RJ45 connector): 2- **Standards**: IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.1Q for VLAN Tagging **Ethernet Software Features**- Management: DHCP Server/Client, HTTP, IPv4, LLDP, SMTP, SNMPv1/v2c/v3, Syslog, TCP/IP, Telnet, UDP, Proxy ARP, VLAN, Wireless Search Utility, MXview, MXview Wireless, MXconfig- **Routing**: Port forwarding, Static Route, NAT- **Security**: HTTPS/SSL, RADIUS, SSH- **Time Management**: NTP Client, SNTP Client **Firewall**- Filter: ICMP, MAC address, IP protocol, Port-based **Serial Interface**- Connector: DB9 male- **Serial Standards**: RS-232, RS-422/485, RS-232/422/485- **Operation Modes**: Disabled, Real COM, RFC2217, TCP Client, TCP Server, UDP- **Data Bits**: 5, 6, 7, 8- **Stop Bits**: 1, 1.5, 2- **Parity**: None, Even, Odd, Space, Mark- **Flow Control**: None, RTS/CTS, XON/XOFF- **Baudrate**: 75 bps to 921.6 kbps- **Serial Data Log**: 256 KB **Serial Signals**- RS-232: TxD, RxD, RTS, CTS, DCD, GND, DTR, DSR- RS-422: Tx+, Tx-, Rx+, Rx-, GND- RS-485-2w: Data+, Data-, GND- RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND **LED Interface**- LED Indicators: SYS, LAN1, LAN2, WLAN, SerialInput/Output Interface- **Buttons**: Reset button **Physical Characteristics**- **Housing**: Metal- **IP Rating**: IP30- **Dimensions**: 77.1 x 115.5 x 26 mm (3.04 x 4.55 x 1.02 in)- **Weight**: 470 g (1.03 lb)- **Installation**: DIN-rail mounting, Wall mounting (with optional kit) **Power Parameters**- **Input Voltage**: 9 to 30 VDC- **Power Connector**: 1 removable 3-contact terminal block(s)- **Power Consumption**: 11.7 W (max.)- **Reverse Polarity Protection**: Supported **Environmental Limits**- **Operating Temperature**: Standard Models: 0 to 60°C (32 to 140°F), Wide Temp. Models: -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, EN 55032/24- EMI: CISPR 22, FCC Part 15B Class AEMS- 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: 1 kV- IEC 61000-4-5 Surge: Power: 2 kV; Signal: 1 kV- IEC 61000-4-6 CS: 10 V- IEC 61000-4-8 PFMF- Radio: EN 300 328, EN 301 489-1/17, EN 301 893, FCC ID SLE-1137C, ANATEL, MIC, NCC, SRRC, WPC, KC, RCM- **Road Vehicles**: E mark E1- **Safety**: EN 60950-1, UL 60950-1- **Vibration**: IEC 60068-2-6MTBF- **Time**: 1,125,942 hrs- **Standards**: Telcordia SR332

Specifications

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