

Item no.: 385459

**AWK-3131A-M12-RCC-JP - 802.11n railway onboard indoor single radio access pointclient, JP band, IP30, -**

**from 1.322,09 EUR**

Item no.: 385459  
shipping weight: 1.00 kg  
Manufacturer: MOXA



 [Product Description](#)

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802.11n railway onboard indoor single radio access point/client, JP band, IP30, -25 to 60°C operating temperatureWLAN InterfaceWLAN Standards: 802.11a/b/g/n; 802.11i  
Wireless SecurityModulation Type:DSSSFDM802.11b: CCK @ 11/5.5 Mbps802.11b: DQPSK @ 2 Mbps802.11b: DBPSK @ 1 Mbps802.11a/g: 64QAM @ 54/58 Mbps802.11a/g:  
16QAM @ 36/24 Mbps802.11a/g: QPSK @ 18/12 Mbps802.11a/g: BPSK @ 9/6 Mbps802.11n: 64QAM @ 300 Mbps to BPSK @ 6.5 MbpsFrequency 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:SSID  
broadcast enable/disableWEP encryption (64-bit and 128-bit)WPA/WPA2-PersonalWPA/WPA2-Enterprise (IEEE 802.1X/RADIUS, TKIP, AES)Transmission Rate:802.11b: 1 to 11  
Mbps802.11a/g: 6 to 54 Mbps802.11n: 6.5 to 300 MbpsTransmitter 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 MbpsTransmitter Power for 802.11n (5 GHz):23±1.5 dBm @ MCS0 20 MHz20±1.5 dBm @ MCS1 20 MHz20±1.5 dBm @ MCS2 20 MHz20±1.5 dBm @ MCS3 20 MHz19±1.5  
dBm @ MCS4 20 MHz18±1.5 dBm @ MCS5 20 MHz18±1.5 dBm @ MCS6 20 MHz18±1.5 dBm @ MCS7 20 MHz23±1.5 dBm @ MCS8 20 MHz20±1.5 dBm @ MCS9 20  
MHz20±1.5 dBm @ MCS10 20 MHz20±1.5 dBm @ MCS11 20 MHz19±1.5 dBm @ MCS12 20 MHz19±1.5 dBm @ MCS13 20 MHz18±1.5 dBm @ MCS14 20 MHz18±1.5 dBm @  
MCS15 20 MHz23±1.5 dBm @ MCS0 40 MHz20±1.5 dBm @ MCS1 40 MHz20±1.5 dBm @ MCS2 40 MHz20±1.5 dBm @ MCS3 40 MHz19±1.5 dBm @ MCS4 40 MHz18±1.5  
dBm @ MCS5 40 MHz18±1.5 dBm @ MCS6 40 MHz18±1.5 dBm @ MCS7 40 MHz23±1.5 dBm @ MCS8 40 MHz20±1.5 dBm @ MCS9 40 MHz20±1.5 dBm @ MCS10 40  
MHz20±1.5 dBm @ MCS11 40 MHz19±1.5 dBm @ MCS12 40 MHz19±1.5 dBm @ MCS13 40 MHz18±1.5 dBm @ MCS14 40 MHz18±1.5 dBm @ MCS15 40 MHzTransmitter  
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 MbpsTransmitter 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 MbpsTransmitter Power for 802.11n (2.4 GHz):23±1.5 dBm @ MCS0 20 MHz21±1.5 dBm @ MCS1 20  
MHz21±1.5 dBm @ MCS2 20 MHz21±1.5 dBm @ MCS3 20 MHz20±1.5 dBm @ MCS4 20 MHz19±1.5 dBm @ MCS5 20 MHz18±1.5 dBm @ MCS6 20 MHz18±1.5 dBm @ MCS7  
20 MHz23±1.5 dBm @ MCS8 20 MHz21±1.5 dBm @ MCS9 20 MHz21±1.5 dBm @ MCS10 20 MHz21±1.5 dBm @ MCS11 20 MHz20±1.5 dBm @ MCS12 20 MHz19±1.5 dBm @  
MCS13 20 MHz18±1.5 dBm @ MCS14 20 MHz18±1.5 dBm @ MCS15 20 MHz23±1.5 dBm @ MCS0 40 MHz20±1.5 dBm @ MCS1 40 MHz20±1.5 dBm @ MCS2 40 MHz20±1.5  
dBm @ MCS3 40 MHz19±1.5 dBm @ MCS4 40 MHz19±1.5 dBm @ MCS5 40 MHz18±1.5 dBm @ MCS6 40 MHz17±1.5 dBm @ MCS7 40 MHz23±1.5 dBm @ MCS8 40  
MHz20±1.5 dBm @ MCS9 40 MHz20±1.5 dBm @ MCS10 40 MHz20±1.5 dBm @ MCS11 40 MHz20±1.5 dBm @ MCS12 40 MHz19±1.5 dBm @ MCS13 40 MHz18±1.5 dBm @  
MCS14 40 MHz17±1.5 dBm @ MCS15 40 MHzReceiver Sensitivity for 802.11a (measured at 5.680 GHz):Typ. -90 @ 6 MbpsTyp. -88 @ 9 MbpsTyp. -88 @ 12 MbpsTyp. -85 @ 18  
MbpsTyp. -81 @ 24 MbpsTyp. -78 @ 36 MbpsTyp. -74 @ 48 MbpsTyp. -74 @ 54 MbpsReceiver Sensitivity for 802.11n (5 GHz; measured at 5.680 GHz):Typ. -88 dBm @ MCS0 20  
MHzTyp. -85 dBm @ MCS1 20 MHzTyp. -82 dBm @ MCS2 20 MHzTyp. -79 dBm @ MCS3 20 MHzTyp. -76 dBm @ MCS4 20 MHzTyp. -71 dBm @ MCS5 20 MHzTyp. -70 dBm @  
MCS6 20 MHzTyp. -69 dBm @ MCS7 20 MHzTyp. -95 dBm @ MCS8 20 MHzTyp. -91 dBm @ MCS9 20 MHzTyp. -87 dBm @ MCS10 20 MHzTyp. -80 dBm @ MCS11 20  
MHzTyp. -78 dBm @ MCS12 20 MHzTyp. -74 dBm @ MCS13 20 MHzTyp. -72 dBm @ MCS14 20 MHzTyp. -71 dBm @ MCS15 20 MHzTyp. -81 dBm @ MCS0 40 MHzTyp. -81  
dBm @ MCS1 40 MHzTyp. -77 dBm @ MCS2 40 MHzTyp. -75 dBm @ MCS3 40 MHzTyp. -71 dBm @ MCS4 40 MHzTyp. -67 dBm @ MCS5 40 MHzTyp. -64 dBm @ MCS6 40  
MHzTyp. -63 dBm @ MCS7 40 MHzTyp. -90 dBm @ MCS8 40 MHzTyp. -85 dBm @ MCS9 40 MHzTyp. -82 dBm @ MCS10 40 MHzTyp. -81 dBm @ MCS11 40 MHzTyp. -77 dBm  
@ MCS12 40 MHzTyp. -73 dBm @ MCS13 40 MHzTyp. -71 dBm @ MCS14 40 MHzTyp. -68 dBm @ MCS15 40 MHzReceiver Sensitivity for 802.11b (measured at 2.437  
GHz):Typ. -93 dBm @ 1 MbpsTyp. -93 dBm @ 2 MbpsTyp. -93 dBm @ 5.5 MbpsTyp. -88 dBm @ 11 MbpsReceiver Sensitivity for 802.11g (measured at 2.437 GHz):Typ. -88 dBm  
@ 6 MbpsTyp. -86 dBm @ 9 MbpsTyp. -85 dBm @ 12 MbpsTyp. -85 dBm @ 18 MbpsTyp. -85 dBm @ 24 MbpsTyp. -82 dBm @ 36 MbpsTyp. -78 dBm @ 48 MbpsTyp. -74 dBm @  
54 MbpsReceiver Sensitivity for 802.11n (2.4 GHz; measured at 2.437 GHz):Typ. -89 dBm @ MCS0 20 MHzTyp. -85 dBm @ MCS1 20 MHzTyp. -85 dBm @ MCS2 20 MHzTyp.  
-82 dBm @ MCS3 20 MHzTyp. -78 dBm @ MCS4 20 MHzTyp. -74 dBm @ MCS5 20 MHzTyp. -72 dBm @ MCS6 20 MHzTyp. -70 dBm @ MCS7 20 MHzTyp. -95 dBm @ MCS8  
20 MHzTyp. -90 dBm @ MCS9 20 MHzTyp. -87 dBm @ MCS10 20 MHzTyp. -83 dBm @ MCS11 20 MHzTyp. -80 dBm @ MCS12 20 MHzTyp. -74 dBm @ MCS13 20 MHzTyp. -71  
dBm @ MCS14 20 MHzTyp. -69 dBm @ MCS15 20 MHzTyp. -87 dBm @ MCS0 40 MHzTyp. -83 dBm @ MCS1 40 MHzTyp. -83 dBm @ MCS2 40 MHzTyp. -80 dBm @ MCS3 40  
MHzTyp. -76 dBm @ MCS4 40 MHzTyp. -73 dBm @ MCS5 40 MHzTyp. -69 dBm @ MCS6 40 MHzTyp. -67 dBm @ MCS7 40 MHzTyp. -93 dBm @ MCS8 40 MHzTyp. -88 dBm @  
MCS9 40 MHzTyp. -85 dBm @ MCS10 40 MHzTyp. -82 dBm @ MCS11 40 MHzTyp. -78 dBm @ MCS12 40 MHzTyp. -73 dBm @ MCS13 40 MHzTyp. -69 dBm @ MCS14 40  
MHzTyp. -67 dBm @ MCS15 40 MHzWLAN Operation Mode: Access point, Client, Client-Router, SnifferAntenna Connectors: QMAEthernet InterfacePoE Ports  
(10/100/1000BaseT(X), M12 A-coded 8-pin female connector): 1Standards:IEEE 802.3 for 10BaseTIEEE 802.3u for 100BaseT(X)IEEE 802.3ab for 1000BaseTIEEE 802.3af for  
PoEIEEE 802.1Q for VLAN Tagging10/100/1000BaseT(X) Ports (M12 A-coded 8-pin female connector): 1, M12 A-coded 8-pin female connector, 10/100/1000BaseT(X) auto  
negotiation speed, F/H duplex mode, auto MDI/MDI-X connectionEthernet Software FeaturesManagement: General: Proxy ARP, DNS, HTTP, HTTPS, IP, ICMP, SNMP, TCP, UDP,  
RADIUS, SNMP, DHCPAP-only: ARP, BOOTP, DHCPSECURITY: RADIUSFirewallFilter: MAC/IP Protocol/Port-basedSerial InterfaceConsole Port: RS-232 (RJ45-type)LED  
InterfaceLED Indicators: PWR1, PWR2, PoE, FAULT, STATE, SIGNAL, Client, WLAN, LANInput/Output InterfaceDigital Inputs:2+13 to +30 V for state 1+3 to -30 V for state 0Max.  
input current: 8 mAAlarm Contact Channels: Relay output with current carrying capacity of 1 A @ 24 VDCButtons: Reset buttonPhysical CharacteristicsHousing: MetallIP Rating:  
IP30Dimensions: 52.9 x 151.9 x 127.4 mm (2.08 x 5.98 x 5.02 in)Weight: 850 g (1.87 lb)Installation: DIN-rail mounting, Wall mounting (with optional kit)Power ParametersInput  
Current: 0.67 A @ 12 VDC, 0.17 A @ 48 VDCInput Voltage: 12 to 48 VDC, Redundant dual inputs, 48 VDC Power-over-EthernetPower Connector: 1 removable 10-contact terminal  
block(s)Power Consumption: Maximum 8.03 WReverse Polarity Protection: SupportedEnvironmental LimitsOperating Temperature: Standard Models: -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 CertificationsEMC: EN  
55032/24EMI: CISPR 32, FCC Part 15B Class BEMS:IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kVIEC 61000-4-3 RS: 80 MHz to 1 GHz: 20 V/mIEC 61000-4-4 EFT: Power: 2 kV;  
Signal: 2 kVIEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kVIEC 61000-4-6 CS: 10 VIEC 61000-4-8 PFMFRailway: EN 50155, EN 50121-4Railway Fire Protection: EN  
45545-2Radio: EN 300 328, EN 301 893, MIC, FCC ID SLE-WAPN008, IDASafety: UL 60950-1, IEC 60950-1, EN 60950-1 (LVD)MTBFTime: 742,649 hrsStandards: Telcordia  
SR332

## Specifications

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prices and availability

