# Product information
# BAT54-F X2

| Industrial Ethernet:Industrial Wireless LAN:Chassis:BAT-F:BAT54-F X2 | |
|---|---|
| http://e-catalog.hirschmann.com/link/57078-24455-49859-24497-78529-64280/en/conf/uistate | |
| **Name** | **BAT54-F X2** |
| |  |
| | Dualband Ruggedized Industrial Wireless LAN Access Point/Client with two independent radio modules with IEEE 802.11a/b/g/h/i for installation in hazardous environment |
| **Delivery informations** | |
| Availability | available |
| **Product description** | |
| Description | Dualband Ruggedized Industrial Wireless LAN Access Point/Client with two independent radio modules with IEEE 802.11a/b/g/h/i for installation in hazardous environment |
| Port type and quantity | 2 x WLAN interfaces, up to 8 SSIDs per WLAN interface, one LAN port 10/100BASE-TX, autosensing, Power over Ethernet according to IEEE 802.3af |
| Type | BAT54-F X2 |
| Order No. | 943 959-102 |
| **Radio technology** | |
| Antenna connector | 4 x N-type jack antenna connectors |
| Range | depending on type of antenna, frequency range and data rate - please use the antenna distance calculator |
| Frequency band | 2 x independent radio modules, each 2.4 GHz and 5 GHz: 2400-2483,5 MHz (ISM) and 5170-5810 MHz |
| Modulation | 22M0F7D(DSSS/OFDM) @ 2,4 GHz 20M0G7D (OFDM) @ 5 GHz |
| Radio topology | WLAN access point, bridge, router, point-to-point, client, client-bridge mode, WDS - Wireless Distribution System, fixed mesh with RSTP |
| **Power requirements** | |
| Operating voltage | 2 x DC 24 V; 1 x Power-over-Ethernet according to IEEE802.3af; all power supplies redundant to each other |
| Current consumption at 24 V DC | 417 mA |
| Current consumption | DC 24 V: 417 mA; PoE (DC 48 V): 167 mA |
| **Ambient conditions** | |
| Operation temperature | -20 ºC up to +55 ºC |
| Storage/transport temperature | -40 ºC up to +70 ºC |
| Relative humidity (non-condensing) | max. 95% |
| MTBF | 43.3 years |
| **Mechanical construction** | |
| Dimensions (W x H x D) | 307 mm x 270 mm x 60 mm |
| Mounting | for wall and mast mounting |
| Protection class | IP 65, IP 67 |
| **Approvals** | |
| Safety of information technology equipment | EN 60950 |
| Radio | EN 300328, EN 301893, notified in all countries of EU. For other notifications or certifications please refer to INET-Sales@hirschmann.de |
| Environmental | EN 61000-6-2, EN 61131 for use in automation environment; E1 certification for use in vehicles; EN50155 for use in trains; Tested for salt spray according to DIN EN 60068-2-52; IEC-60079 ZONE 2, GAS GROUP IIC, TEMPERATURE CLASS T4 for hazardous environment |
| **Scope of delivery and accessories** | |
| Scope of delivery | Device, 2 dipole antennas, CD, M12 connector, 2 x 50 Ohm terminator, mounting material |
| Accessories to order separately | External antennas for 802.11b/g and 802.11a/h operation adapter cable and surge arrestor, mast mount material |

For more information please contact:

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