




## Product information BAT54-F X2 FCC

<b>Industrial Ethernet:Industrial Wireless LAN:Chassis:BAT-F:BAT54-F X2 FCC</b>	
<a href="http://e-catalog.hirschmann.com/link/57078-24455-49859-24497-78529-64282/en/conf/uisstate">http://e-catalog.hirschmann.com/link/57078-24455-49859-24497-78529-64282/en/conf/uisstate</a>	
<b>Name</b>	BAT54-F X2 FCC
	
	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, with FCC-approval for USA and Canada.
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	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, with FCC-approval for USA and Canada.
<b>Port type and quantity</b>	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
<b>Type</b>	BAT54-F X2 FCC
<b>Order No.</b>	943 959-002
<b>Radio technology</b>	
<b>Antenna connector</b>	4 x N-type jack antenna connectors
<b>Range</b>	depending on type of antenna, frequency range and data rate - please use the antenna distance calculator
<b>Frequency band</b>	2 x independent radio modules, each 2.4 GHz and 5 GHz: 2400-2483,5 MHz (ISM) and 5170-5810 MHz
<b>Modulation</b>	22M0F7D(DSSS/OFDM) @ 2,4 GHz 20M0G7D (OFDM) @ 5 GHz
<b>Radio topology</b>	WLAN access point, bridge, router, point-to-point, client, client-bridge mode, WDS - Wireless Distribution System, fixed mesh with RSTP
<b>Power requirements</b>	
<b>Operating voltage</b>	2 x DC 24 V; 1 x Power-over-Ethernet according to IEEE802.3af; all power supplies redundant to each other
<b>Current consumption at 24 V DC</b>	417 mA
<b>Current consumption</b>	DC 24 V: 417 mA; PoE (DC 48 V): 167 mA
<b>Ambient conditions</b>	
<b>Operation temperature</b>	-20 °C up to +55 °C
<b>Storage/transport temperature</b>	-40 °C up to +70 °C
<b>Relative humidity (non-condensing)</b>	max. 95%
<b>MTBF</b>	43.3 years
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	307 mm x 270 mm x 60 mm
<b>Mounting</b>	for wall and mast mounting
<b>Protection class</b>	IP 65, IP 67
<b>Approvals</b>	
<b>Safety of information technology equipment</b>	EN 60950
<b>Radio</b>	EN 300328, EN 301893, Certifications for FCC and Singapore
<b>Environmental</b>	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
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	Device, 2 dipole antennas, CD, M12 connector, 2 x 50 Ohm terminator, mounting material
<b>Accessories to order separately</b>	External antennas for 802.11b/g and 802.11a/h operation adapter cable and surge arrester, mast mount material



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