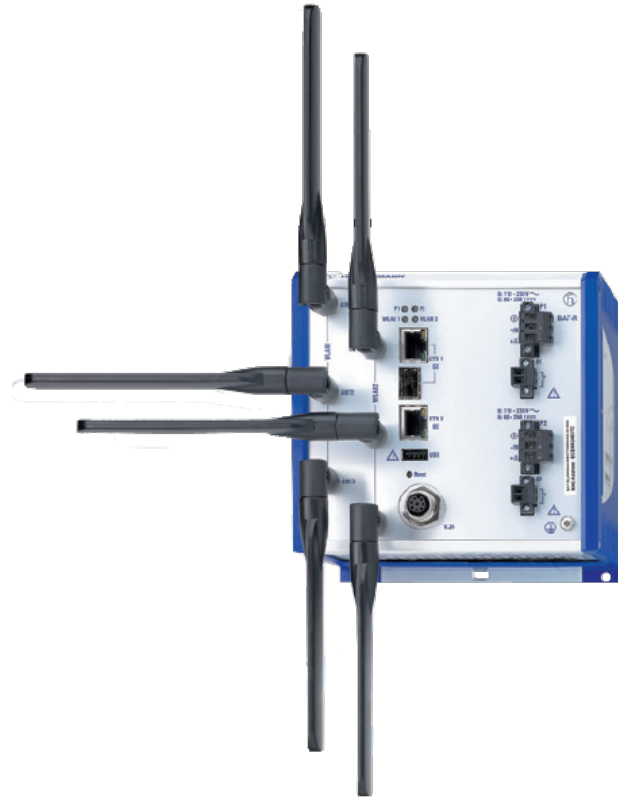


Certified Wireless Access Points

WL-AP-XX

- 802.11a/b/g/n radios
- Up to 450 Mbps throughput
- Class I Division 2 and ATEX versions
- All-weather options
- -40° C to 70° C



Rugged radios for wireless networks in hazardous areas

The certified versions of IVC's WL series access point radios are available in both indoor (IP30) and outdoor (IP66) configurations.

Specifically designed for industrial applications, these radios comply with the IEEE 802.11n WLAN standard, enabling data rates of up to 450 Mbit/s in both the 5 GHz and 2.4 GHz bands by using MIMO antenna technology. This means that these client bridges can be used to quickly set up meshed networks, wireless distribution systems, and point-to-point connections for IVC video networks.

These access points can be mounted on DIN rails (indoor areas) or installed on walls or masts (indoor and outdoor areas). The WL-CB certified products have an operating temperature range of 0°C to +60°C or -40°C to +70°C. The radio can be configured with one or two dual band wireless modules.

The radios are housed in rugged outdoor enclosures rated IP66. Three MiMo connectors are provided for antenna connections.

specifications

WL-AP-AGN-I2



WL-AP-AGN-O2



WL-AP-AGN2-I2



WL-AP-AGN2-O2



Data Rate	300 Mbps		450 Mbps	
Wi-Fi Interface	802.11 a/n or 802.11b/g/n		2x 802.11 a/n or 802.11b/g/n	
Wi-Fi Operating Frequency	2.412 GHz to 2.462 GHz or 5.150 GHz to 5.700 GHz		2.400 GHz to 2.483 GHz and 5.170 GHz to 5.850 GHz	
Encryption	IEEE 802.11i / WPA2 with passphrase or 802.1x and hardware-accelerated AES, closed network, WEP64, WEP128, WEP152, user authentication, 802.1x /EAP, LEPS, WPA1/TKIP.			
Ethernet	10/100/1000BASE-TX RJ45		Combo-port (10/100/1000BASE-TX RJ-45 or 1000BASE-SX/LX SFP port) and 10/100BASE-TX RJ-45	
Antenna connectors (per radio)	3 x MiMo antenna connectors, Reverse SMA	3 x MiMo antenna connectors, Reverse SMA	6 x MiMo antenna connectors, Reverse SMA	6 x MiMo antenna connectors, N
Weight	1.1 lbs.	6 lbs.	1.75 lbs.	8 lbs.
Dimensions	5.82" x 4.64" x 1.48"	10" x 8" x 4"	4.72" x 5.35" x 4.53"	13.56" x 13.38" x 6.34"
Voltage Required	IEEE 802.3at PoE; 24 VDC		48 - 320 VDC; 90 - 265 VAC	
Power Consumption	Less than 8 W		17.5 W	
Operating Temperature	-40° - 70° C	-40° - 70° C	0° - 60° C	-40° - 70° C
Regulatory Approvals	CSA/CB Safety, CE Mark, FCC/IC, ETSI		EN 60950-1, R&TTE; EN 300 328 (2.4GHz), EN 301 893 (5 GHz); EN 301 489-1, EN 301 489-17; Substation (EN61850, IEEE 1613)	
Enclosure Rating	IP30	IP66	IP30	IP66
Mounting	DIN Rail	Wall/Pole	DIN Rails	Wall/Pole

accessories

WL-3704-01	5 dBi, 2.4 GHz, Omni, Collinear antenna
WL-3704-02	10 dBi, 2.4 GHz, Omni, Collinear antenna
WL-3704-03	18 dBi 2.4 GHz, 23°, Yagi antenna
WL-3704-06	12 dBi 2.4 GHz, 45°, Yagi antenna
WL-3704-07	17 dBi 5.8 GHz, 30°, Yagi antenna

ordering information

WL-AP-XX-E

-E	Enclosure
	I2 Outdoor, Class I Division 2, ATEX Zone 2
	O2 Indoor, Class I Division 2, ATEX Zone 2
-XX	Frequency
	AGN 450 Mbps 802.11a/n or 802.11b/g/n
	AGN2 2x 450 Mbps 802.11a/n or 802.11b/g/n

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