

Product: [IGX-US71A1MD1GGB9](#)



Wi-Fi 7 Access Point; Indoor, Watertight; USA; Internal 100° Sector Antenna; 5 & 6 GHz concurrent (Wi-Fi 6E);

Product Description

Belden Wireless Industrial Access Point for Infrastructure WLAN with WiFi7 chipset. The rugged water-tight design is used for indoor deployments in Warehouses and Factories. Maximum WLAN density at the highest reliability for applications like roaming AGV robots in Warehouses. For the USA. With its 5 GHz (including DFS) and 6 GHz (Wi-Fi 6E) support concurrently.

Technical Specifications

Product description

Name:	IGX-US71A1MD1GGB9
Radio protocol:	802.11 a/n/ac/ax/be (Wi-Fi 4, 5, 6, 7);

Displays

LEDs:	On the top of the device: System (tri-color); Connectivity (tri-color)
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More Interfaces

Power supply/signaling contact:	1x M12 L-Coded (5 pins) for Power, Relais, Functional Earth; Can alternatively be powered over Ethernet with PoE+
Ethernet:	1x M12 X-Coded (8-pole) for Ethernet and PoE+; 10/100/1000 Mbit/s

Radio technology

Antenna connector:	Internal Sector Antenna with 100° Horizontal 3dB width;
Frequency band:	Channel widths: 20, 40, 80, 160 MHz; 5GHz in 5180...5925MHz and 6GHz in 5945...7125MHz simultaneously;
Modulation:	OFDM up to 4096 QAM;

Power requirements

Operating Voltage:	9 to 36VDC on Power Connector; PoE+ on Ethernet Connector; No redundancy / fallback between them;
Power consumption:	max. 25 W
Redundancy functions:	Redundant Firmware Images

Ambient conditions

MTBF (Telcordia SR-332 Issue 3) @ 25°C:	15
Air Pressure (Operation):	Up to 2000m above sea level; Up to 4000m above sea level with Temperature derating according to IEEE1613-2009.
Degree of Protection when Installed:	IP65
Operating temperature:	-20-+65 °C
Minimum Storage Temperature:	-40 °C
Relative humidity (also condensing):	5-100 %

Mechanical construction

Dimensions (WxHxD):	200 x 135 x 40 mm; 7.9 x 5.3 x 1.6 inches
Weight:	750 g
Housing Material:	Aluminium bottom plate (powder coated); Plastic cover (PC-GF10);
Mount Type:	Ceiling, wall

Reliability

Guarantee:	5 years
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WLAN Access Point

Access Point Functionality:	Yes
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WLAN Client

Client / STA Functionality:	No
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Scope of delivery and accessories

Scope of delivery:	1x Device; 1x Power Protection Cap; 1x Grounding Screw; 1x Safety Notice; 1x Packaging (Cardboard);
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History

Update and Revision:	Revision Number: 0.6 Revision Date: 11-19-2025
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