6GK5-786-2BA60-1CA1

Industrial automation components

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Manufacturer	Siemens
Catalog number	6gk5-786-2ba60-1ca1
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	6GK5786-2BA60-1CA1
Product Type	IWLAN Access Point
Frequency Bands	2.4/5 GHz
Data Rate	Up to 54 Mbit/s
Radio Interfaces	2
Internal Antennas	4
Power Supply Options	48 V DC, PoE, Optional Integrated Power Supply (AC: 100–240 V, DC: 12–24 V)
Current Consumption	0.17 A at 48 V DC, 0.34 A with PoE, 0.04 A at 230 V AC
Active Power Loss	8 W
Operating Temperature Range	-40 to +70 °C
Protection Class	IP65

Description

The Siemens 6GK5786-2BA60-1CA1 is an industrial wireless LAN (IWLAN) access point from the SCALANCE W786 series, designed for robust wireless communication in industrial environments. Operating in the 2.4/5 GHz frequency bands, it supports IEEE 802.11b/g/a/h standards, delivering data rates up to 54 Mbit/s.

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The device features two radio interfaces and four internal antennas, ensuring reliable connectivity. It offers multiple power supply options: 48 V DC from a terminal block, Power-over-Ethernet (PoE) according to IEEE 802.3at for type 1 and IEEE 802.3af standards, or an optional integrated power supply with AC (100–240 V) or DC (12–24 V).

Typical current consumption varies based on the power supply: 0.17 A at 48 V DC, 0.34 A with PoE, and 0.04 A at 230 V AC. The device operates efficiently with an active power loss of approximately 8 W across all power supply options.

Designed for harsh industrial conditions, it boasts an operating temperature range of -40 to +70 °C and a protection class of IP65, ensuring durability in demanding environments. The enclosure dimensions are 251 mm in width, 251 mm in height, and 72 mm in depth, with a net weight of 2.24 kg.

Mounting options include wall mounting, with additional support plates required for mast mounting, 35 mm DIN rail mounting, and S7-300 rail mounting. The device operates in the 2.41–2.48 GHz frequency range for WLAN in the 2.4 GHz band. For detailed specifications and installation guidelines, refer to the product datasheet.