6GK5786-2FC00-1CA0

Industrial automation components

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Manufacturer	Siemens
Catalog number	6gk5786-2fc00-1ca0
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Brand	Siemens
Part Number	6GK5786-2FC00-1CA0
Product Type	Wireless Access Point
Frequency Bands	2.4 GHz, 5 GHz
Maximum Data Rate	450 Mbit/s per radio
Ethernet Port	1 x RJ45
Power Supply	PoE (IEEE 802.3at/af), Optional 24 V DC
Enclosure Rating	IP65
Operating Temperature Range	-40°C to +70°C
Security Protocols	WPA2/802.11i/e

Description

The Siemens 6GK5786-2FC00-1CA0 is a high-performance wireless access point designed for industrial environments, offering robust connectivity and reliability. Operating in the 2.4 GHz and 5 GHz frequency bands, it supports IEEE 802.11a/b/g/h/n standards, delivering a maximum data transmission rate of 450 Mbit/s per radio.

This dual-radio device features six R-SMA antenna connectors, ensuring optimal wireless coverage and signal strength. Equipped with one RJ45 Ethernet port, it facilitates seamless integration into existing network infrastructures.

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The access point supports Power-over-Ethernet (PoE) according to IEEE 802.3at for type 1 and IEEE 802.3af, as well as an optional 24 V DC power supply, providing flexibility in power sourcing. Designed for harsh industrial conditions, it boasts an IP65 enclosure rating, ensuring protection against dust and water ingress.

The device operates efficiently across a wide temperature range, from -40°C to +70°C, making it suitable for deployment in diverse environments. Security features include WPA2/802.11i/e protocols, ensuring secure wireless communication.

The Siemens 6GK5786-2FC00-1CA0 is ideal for applications requiring reliable and high-speed wireless connectivity in industrial settings, such as remote monitoring, control systems, and data acquisition.