

SIMATIC NET

Industrial Wireless LAN SCALANCE W760/W720

Operating Instructions

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Introduction

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1.1 Information on the Operating Instructions

Validity of the Operating Instructions{xe "Article numbers"}{xe "Documentation on the CD"}

These operating instructions cover the following products:

Product	Article number	Article number US version	Article number Israel version
Access point			
SCALANCE W761-1 RJ-45	6GK5761-1FC00-0AA0	6GK5761-1FC00-0AB0	-
Ethernet client modules			
SCALANCE W722-1 RJ-45 (iFeatures)	6GK5722-1FC00-0AA0	6GK5722-1FC00-0AB0	6GK5722-1FC00-0AC0
SCALANCE W721-1 RJ-45	6GK5721-1FC00-0AA0	6GK5721-1FC00-0AB0	-

These operating instructions apply to the following software version:

- SCALANCE W760/W720 with firmware as of version 6.3

Purpose of the Operating Instructions

Using the Operating Instructions, you will be able to install and connect the SCALANCE W760/W720 correctly. The configuration and the integration of the device in a WLAN are not described in these instructions.

Documentation on the accompanying DVD

You can find detailed information about configuration in the SCALANCE W700 configuration manuals on the accompanying DVD under the file name:

PH_SCALANCE-W760-W720-WBM_76.pdf and PH_SCALANCE-W760-W720-CLI_76.pdf

Note

Make sure that you read the explanations and instructions in the README.txt file

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks.

The following technical specifications apply to the following devices:

- SCALANCE W761-1 RJ-45
- SCALANCE W722-1 RJ-45
- SCALANCE W721-1 RJ-45

Note

You will find detailed information on the transmit power and receiver sensitivity in the document "Performance data 802.11 abgn SCALANCE W760/W720" on the supplied data medium (REF_W760-RadioInterface.pdf).

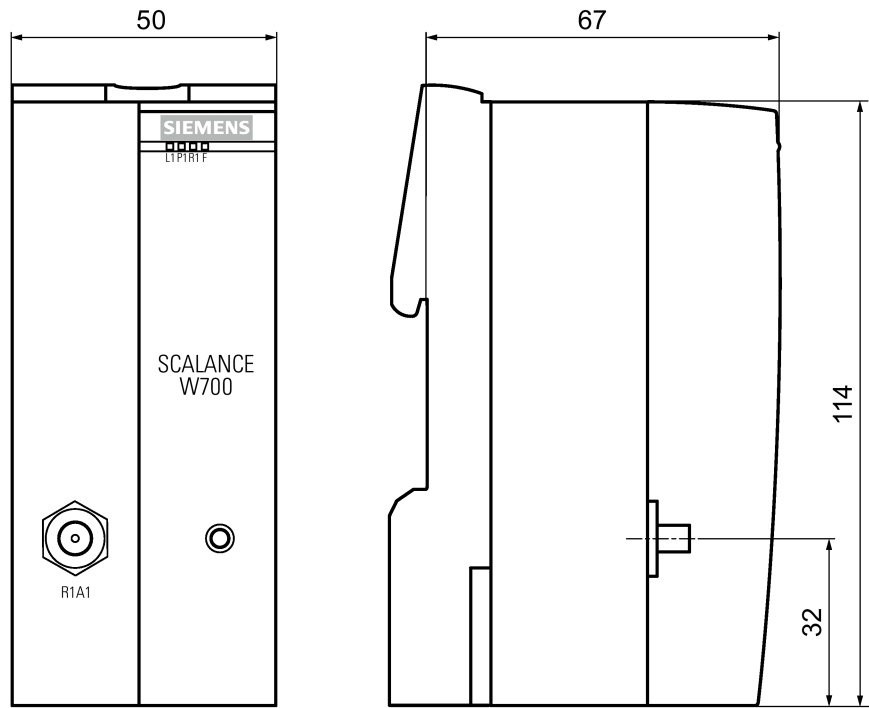
SCALANCE W761/W722/W721{xe "Technical specifications"}{xe "Interfaces"}		
Data transfer		
Ethernet transfer rate		10 / 100 Mbps
Wireless transmission rate		1 ... 150 Mbps
Wireless standards supported		IEEE 802.11a
		IEEE 802.11b
		IEEE 802.11g
		IEEE 802.11n
Attachment to Industrial Ethernet		
	Quantity	1
	Design	RJ-45 jack
	Properties	Half duplex/full duplex, autocrossover, autonegotiation, autosensing, floating
Permitted cable lengths (Ethernet)	(Alternative combinations per length range)	
	IE TP torsion cable	0 ... 55 m
		0 ... 45 m + 10 m TP cord
	IE FC TP marine cable	0 ... 85 m
	IE FC TP trailing cable	0 ... 75 m + 10 m TP cord
	IE FC TP flexible cable	
	IE FC TP FRNC cable	
	IE FC TP festoon cable	
	IE FC TP food cable	

SCALANCE W761/W722/W721{xe "Technical specifications"}{xe "Interfaces"}	
IE FC TP standard cable	0 ... 100 m
	0 ... 90 m + 10 m TP cord

SCALANCE W761/W722/W721{xe "Technical specifications"}{xe "Interfaces"}		
Wireless interface		
Antenna connector	Quantity	1
	Design	R-SMA female
	Impedance	50 Ω nominal
Frequency range		2412 ... 2480 MHz 4920 ... 5875 MHz
Electrical data		
Power supply	Supply voltage	24 VDC Safe Extra Low Voltage (SELV)
	Permitted range	19.2 to 28.8 VDC
	Design	Terminal block, 3 terminals
Fusing		2.5 A / 24 VDC
Current consumption	At 24 VDC / typical	150 mA
Power loss at 24 VDC	At 24 VDC / typical	3.6 W
Permitted ambient conditions		
Ambient temperature	During operation with the rack in- installed horizontally / vertically	0 °C to +55 °C
	During storage	-40 °C to +85 °C
	During transportation	-40 °C to +85 °C
Relative humidity	During operation	≤ 95% at 25 °C, no condensation
Operating altitude	During operation	≤ 2,000 m above sea level at max. 55 °C ambient temperature
Contaminant concentration		According to IEC 60721
Degree of protection		
IP code		IP20
Dimensions and weight		
Dimensions	W x H x D	50 x 114 x 74 mm
Weight		130 g
Installation options		
Installation on a DIN rail		
Mean time between failure (MTBF)		
at 40 °C ambient temperature		106.51 years

Dimension drawings

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{xe "Dimension drawing"}

