

product type designation	WIN7225-5
	RUGGEDCOM WIN7225-5 Small Form Factor Outdoor Base Station, includes power supply, 2 X antenna cable 1.6 m, GPS receiver, GPS antenna and mounting kit; Antenna and Data cable ordered separately, 2483 MHz to 2690 MHz
product brand name	RUGGEDCOM
wireless & modem	
operating frequency	2496 ... 2690 MHz
standard for wireless communication / IEEE 802.16e-2009	Yes
operating mode / time-division duplexing (TDD)	Yes
size of channel bandwidths	3,5 / 5 / 7 / 10 MHz
frequency resolution	250 kHz
number of electrical connections / for external antenna(s)	2
type of electrical connection / for external antenna(s)	N-Connect female
transmit power / maximum	0.5 W
size of Fast Fourier Transform (FFT) channels	1024/512FFT
type of modulation	QPSK, 16-QAM, 64-QAM
transfer rate	
transfer rate / for Industrial Ethernet	10, 100 Mbit/s
transfer rate / note	half / full duplex with autonegotiation
telegram format	DSCP/IP TOS field, IP Protocol/Next Header field, IP masked Source Address, IP Destination Address, Protocol source port range, Protocol destination port range, Source MAC address (SA mode), Destination, MAC address (SA mode), VLAN ID (SA mode), Ethertype (SA mode)
supply voltage, current consumption, power loss	
product options / wide range power supply	Yes
type of voltage supply	Power over Ethernet with PoE-Injector type WIN1010: 85-265 VAC (included) / with PoE-Injector type RP100/110: 10-60 VDC or 88-300VDC and 85-264 VAC (optional)
type of voltage supply / Power-over-Ethernet (PoE)	Yes
supply voltage / 1 / rated value	54 V
• supply voltage / 1 / rated value	10 ... 60 V
• type of voltage / 1 / of the supply voltage	DC
supply voltage / 2 / rated value	
• supply voltage / 2 / rated value	88 ... 300 V
• type of voltage / 2 / of the supply voltage	DC
supply voltage / 3 / rated value	
• supply voltage / 3 / rated value	85 V ... 264 V
• type of voltage / 3 / of the supply voltage	AC
product functions / management, configuration, engineering	
number of manageable IP addresses / in client	1
product function	
• web-based management	Yes
• MIB support	Yes
protocol / is supported	
• SNMP v2	Yes
• SNMP v2c	Yes
ambient conditions	
ambient temperature	
• during operation	-40 ... +70 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
operating condition / fanless operation	Yes
protection class IP	IP67

design, dimensions and weights	
width	257 mm
height	228 mm
depth	112 mm
net weight	4 kg
fastening method	
• wall mounting	Yes
• mast mounting	Yes
product features, product functions, product components / general	
product function / SysLog	Yes
product functions / security	
type of authentication	
• for user	RADIUS
product function	
• IEEE 802.1x (radius)	No
protocol / is supported	
• SNMP v3	Yes
• HTTPS	Yes
• SFTP	Yes
• SSH	Yes
standards, specifications, approvals	
standard	
• for FM	IEC 61850-3 section 5.7, 5.8, 1613 section 6.3, 7, 8, 9 Class 1, FCC part 15, subpart B, class A
• for hazardous zone	Class 1 Div 2 (UL 1604, CSA 22.2 No213- M1987)
• for safety / from CSA and UL	EN 60950-22, TUV 60950-1, IEC 60950-1, CSA C22
• for corrosion	MIL-STD-810F 509.4 - salt fog
certificate of suitability	
• IEC 61850-3	Yes
• IEEE 1613	Yes
wireless approval	FCC part 27, ETSI EN 302 544-1
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to website: Industry Mall/RUGGEDCOM selector	https://www.siemens.com/ruggedcom-selector
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to website: Siemens RUGGEDCOM	https://www.siemens.com/ruggedcom
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)

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