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Data sheet RUM:WIN5118-5-AC

product description	Vehicular Subscriber with external antenna connectors

RUGGEDCOM WIN5118-5-AC Vehicular Subscriber with external antenna connectors, RF cables (5 meters), 5 meter power cable (both vehicular and external power supply usage) and mounting kit, 1800 MHz to 1830 MHz, Standard Commercial Grade AC power injector - power/data cable ordered separately

wireless & modem	
operating frequency	1800 ... 1830 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
transmission mode / for multiple input multiple output (MIMO)	MRC/STC (downlink)
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
transmit power level / adjustable	54 dB
size of Fast Fourier Transform (FFT) channels	1024/512FFT
type of modulation	QPSK, 16-QAM, 64-QAM
dynamic range / of receiver	70 dB
transfer rate	
transfer rate	
● for Industrial Ethernet	10 ... 100 Mbit/s
● 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	
● supply voltage / 1 / rated value	10 ... 52 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	2
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 ... +75 °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	253.7 mm
height	98.3 mm
depth	92.2 mm
net weight	1.5 kg
fastening method	
● wall mounting	Yes
● mast mounting	Yes
product features, product functions, product components / general	
product function / SysLog	Yes
product functions / DHCP	
product function	
● DHCP client	Yes
product functions / security	
type of authentication	EAP-TTLS/TLS PKMv2
● for device	X.509 certificates
● for user	MS-CHAP or RADIUS
product function	
● ACL - MAC-based	Yes
● IEEE 802.1x (radius)	No
protocol / is supported	
● SNMP v3	Yes
● HTTPS	Yes
● SFTP	Yes
● SSH	Yes
standards, specifications, approvals	
standard	
● for FM	FCC Part 15, subpart B, class B
● for hazardous zone	Class 1 Div 2 (UL 1604, CSA 22.2 No213- M1987)
● for safety / from CSA and UL	TUV-UL 60950-1, EN 60950-1, CSA C22
● for corrosion	MIL-STD-810F 509.4 - salt fog
wireless approval	SRSP 301.7 issue 2
reference code	
● according to IEC 81346-2:2019	KFE
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: Industrial communication	https://www.siemens.com/simatic-net
● 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

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