



For further information please refer to:

www.sea-gmbh.com/en/products/compactrio-products

Specifications

Basics	
Number of ports	3
Type of ports	10 / 100 TP
Switch function / WLAN function / Sleep mode	included
SIM card reader / SIM lock function	included
Network mode	Bridging

WLAN Performance	
Network standards	IEEE 802.11b; IEEE 802.11g
Frequency range [GHz]	2,412 ... 2,484
Operating distance	up to 328 ft. / 100 m
Symbol rate WLAN [Mbits/s]	1, 2, 5, 11 (802.11b) 6, 9, 12, 18, 24, 36, 48, 54 (802.11g)
Radio modulations	OFDM, DSSS, DBPSK, DQPSK, CCK, 16QAM, 64QAM
Security	WEP 64/128, WPA – PSK, TKIP, AES end-to-end encryption
Maximum receive level [dBm]	-10 (< 8%)
Receiver sensitivity [dBm]	-72 for 54 Mbits/s -87 for 11 Mbits/s -89 for 5.5 Mbits/s -90 for 2.0 Mbits/s -92 for 1.0 Mbits/s
Transmit output power [dBm]	14 (+ 1.5 / - 1.0)

Connectors	
WLAN antenna connector	R-SMA

Power Supply			
Power Supply Voltage [V]	7 ... 30		
Front panel connector current at 12 V [A rms]	min.	typ. (with max bandwidth)	max
	0.275	0.29	0.34
Backplane current [mA]	typ.	sleep	
	6	6	

1 % = Packet Error Rate

Environmental	
Relative Humidity, non condensing [%]	5 ... 90
Ingress protection	IP 30 (with connected power cable)
Maximum altitude [m]	2000
Maximum Operating Temperature [°C]	-40 ... 60
Maximum Storage temperature [°C]	-40 ... 80
Size D x W x H [mm]	70 x 23 x 87
Weight [g]	205

Shock and Vibration	
random (IEC 60068-2-64)	5 g rms, 10 to 575 Hz operation vibration
sinusoidal (IEC 60068-2-6)	5 g, 10 to 575 Hz operation shock
shock (IEC60068-2-27)	15 g / 30 g, 11 ms half sine
	50 g, 3 ms half sine (10 shocks at 6 orientations)

Electromagnetic Compatibility

For EMC compliance, it is recommended to operate the cRIO XLAN modules with original and shielded antenna cabling only.

This cRIO XLAN module meets the essential requirements of the following US directives:

- ◆ The product complies with the FCC Standard 47 Part 15

This product meets the essential requirements of applicable European Directives, as named for CE marking, as follows:

- ◆ EMC (Electromagnetic Compatibility), Directive (EMC) 89/336/EEC, Directive (R&TTE) 1999/5/EC

In order to satisfy the essential requisite of the R&TTE 1999/5/EC directive, the modules are compliant with the following standards:

EMC (Electromagnetic Compatibility). Standards EN 301 489-1 and EN 301 489-7 Type WLAN contains RF-Device according to:

FCC ID	R68WIPORT
IC	3867AWIPORT

Japan Radio Certification Number	004NYDA0091
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