

Rugged Computer

RPC COMPACT- 71 Series

Industrial rugged PC with Intel® Atom™ processor optional UMTS / GPS / WI-FI USB2 USB1 VGA PWR 2x ETH 2x USB VGA RS232 CAN

RS422/485

RPC/COMPACT71

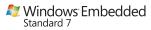
This fan less RCP COMPACT 71 Series is based on the Intel® Atom™ processor technology and offers a wide range of interface options. The new ultra rugged housing made of tough anodized aluminum offers a IP67 protection and has no rotat-

Power Supply

9 ... 36VDC

The robust and uncompromising industrial version allows implementation in the most demanding applications and warrants long term availability.

- 24/7 continuous operation
- Protection class IP67
- Extended temperature range
- Intelligent power management system









Product Highlights

Maintenance free Goldcap instead of battery backup Scalable CPU core Watchdog Temperature supervision -40...+70°C ambient temperature Persistent Flash BIOS ESD- protection on all interfaces No active cooling required No moving parts

Product Features

Intel® Atom™ E6x0T up to 1.6GHz RAM soldered on board Socket for CFast and SD Card Graphic resolution up to SXGA Ethernet, USB, RS232, isolated RS422/485 Isolated CAN Rugged M12 connectors Rugged aluminum housing Protection class IP67

Markets / Applications

Railway Traffic control Transportation and vehicle construction

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Long term availability

Your partner for reliable embedded computer and display solutions.



		Order Code	RPC/SL71G16-A101E	MySyslogic ¹
Processor / Performance				
Intel Atom E680T 1.6GHz			•	•
Memory				
56 kB L1 cache (32kB instruction / 24kB data)			•	•
512 kB L2 cache			•	•
1 GB DDR2-400MT/s SDRAM ¹				optional
2 GB DDR2-400MT/s SDRAM			•	•
Features				
Real time clock PC compatible			•	•
Goldcap backup			•	•
Battery backup ¹				optional
Hardware watchdog (configurable 1.6 257s)			•	•
Temperature supervisor			•	•
Intelligent power management see user manual for detailed information			•	•
Communication Interfaces				
VGA up to 1280x1024 (SXGA)	M12 12P female A-coded		•	
FPD Link II	M12 8P male A-coded			optional
SD Card socket ²	WITZ OF THAIC / COACA		•	•
CFast socket ²			•	
SATA 2.0 interface standard ²			•	•
Mouse / Keyboard interface ¹				optional
USB version 2.0 (host)	M12 5P female A-coded		2	ориона
USB version 2.0 ²	WITZ 31 Terriale A-coded		2	up to 4
Ethernet 10/100 (Intel 82574)	M12 4P female D-coded		2	up to 2
RS232 ESD protected	M12 4P male A-coded		1	up to 6
RS422/485 isolated ESD protected	M12 5P male A-coded			up to 2
CAN version 2.0b, SJA1000, ESD protected, isolated	M12 5P female A-coded		2	up to 2
24V Digital Output (current sourcing)	M12 8P male A-coded		2	up to 2
24V Digital Input (current sinking)	M12 8P male A-coded		2	up to 2
PC/104 bus ^{1,2}	WITZ OF THAIC / COACA			optional
Technical Data				ориони
Dimensions w276 x h58 x d210 mm (housing)			•	
				•
Net weight in gram Input voltage 9 36VDC isolated and reverse polarity protected	M12 4D - A - A		3700	
	M12 4P male A-coded			•
Current consumption typ. in mA @ 24V without Add-Ins, idle Power consumption typ. in Watt @ 24V without Add-Ins, idle			350	
			8.4	
Environmental Conditions	06			
Operating temperature (ambient) EN 50155 Class TX -40°C +	70°C		•	•
Storage temperature -40 +85°C			•	•
Protection standard: IP67			•	•
Conformal coating			•	•
Shock: EN60068-2-27 / EN61373			•	•
Vibration: EN60068-2-64 / EN61373			•	•
EMI-Conformity EN-50121-3-2			•	•
Safety: IEC / EN60950-1			•	•
MTBF ~200 000h (22.8 Years) @ 25°C			•	•
Optional enhancement cards				
GPS (u-blox LEA-6N)	QMA female		optional	optional
Quad Band GSM/UMTS (u-blox LISA-U200)	QMA female		optional	optional
WLAN IEEE 802.11a/b/g/n (lesswire WiBear 11n)	QMA female		optional	optional

¹ Please contact factory for minimum order quantities

Product specifications subject to change without notice. | All data is for information purposes only and not guaranteed for legal purposes. Information in this data sheet has been carefully checked and is believed to be accurate. However, no responsibility is assumed for inaccuracies. Please refer to the user documentation for additional product specification.

For further information and support:

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² Internal connector



Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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