

TRICOR Rugged 24" Panel Computer with Intel Atom up to i7 9th Gen & Xeon Processors

General Description

The TRICOR24RC is a Rugged Embedded Computer and combines a built-in 24" screen with excellent optical specifications and a core functional module based on MPL's Single Board Computer.

The system is constructed from military grade, high strength, and light weight HE30 grade aluminum alloy housing. Its modular architecture allows the system to be easily configurable with many options. The fanless design helps in noiseless operation, increases reliability, and gives the system a longer MTBF.

The TRICOR24RC meets the MIL-STD-810F, MIL-STD-461E and JSS 55555 quality standards, suitable for all applications.



Technical Features

	TRICOR24RC-10	TRICOR24RC-40	additional CPUs will follow
Processor	up to Intel® Atom Quad Core	up to Intel® i7 9th Gen & Xeon	
Graphics	HD-Graphic for Intel Atom	Intel UHD Graphics 630	
Memory	8GB DDR3 ECC RAM	16GB DDR4, exp. up to 64GB	
Storage	512GB SATA SSD (selectable)		
Audio	Integrated HD audio		
Display	24" EMI shielded active matrix LED backlight display, 1920 x 1200 resolution, 800 cd/m2 brightness, 1000:1 contrast ratio, 16.7M colours		
Touch	Resistive touch screen		
Keys (optional)	Up to 35 x function and 5 x display control keys		
Interfaces			
Power	4-wire	D38999/TVP02RW-9-35PN	
Maintenance	DVI/USB/RS/....	D38999/TVP02RW-15-35SA	
Dual LAN	2 x Gbit Ethernet	D38999/TVP02RW-15-35SN	
Multi I/O (optional)	RS/CAN/1553/ARINC/....	D38999/TVP02RW-13-35SN	
	other configurations on request		
Power input	115/230 VAC or 18-36 VDC input		
Power Consumption	<150W (depending on the selected embedded CPU board)		
Software	Windows10, RHEL 7.x or above & Latest Linux OS		
Material	Military grade high strength and light weight HE30 aluminium alloy housings		
Surface	Alodine conversion coated & powder coated external surfaces		
Mounting options:	Desk / Wall mount		
Protection class	IP54 all around		
Dimensions	635 (W) x 440 (H) x 99mm (D)*		
Weight	15kg approx.		
Environmental (certified)			
Operating temperature	-10°C to +55°C		
Storage temperature	-30°C to +70°C		
Shock	50g vertical, 22g horizontal half sine @ 11ms		
Vibration	Sinusoidal freq. range 5-33 hz, +/-0.125 mm, constant, displacement		
Humidity	95% RH @40°C		
EMI/EMC	MIL-STD-461E, CE101, CE102, RE101, RE102, CS114, CS116, RS101 and RS103		

Specifications marked with * is an optional feature OR it differs from product to product & its configuration.
All information contained herein is subject to change without notice.

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