



TRICOR19RC



**19" Rugged Panel PC with Intel Atom
up to i7 9th Generation & Xeon Processor**

DESCRIPTION

The TRICOR19RC is a Rugged Panel PC based on natural convection cooling concept with a built-in 18.5" screen with excellent optical specifications and a core functional module based on Latest Generation Single Board Computer and optionally available with rugged keyboard module with integrated touchpad & Biometric authentication Terminal (BAT).

The system is constructed with high strength, light weight Airborne HE30 grade aluminium alloy housing. Its modular architecture allows the system to be easily configurable with many options. The fan less design helps in noiseless operation, increases reliability, and gives the system a longer MTBF. The operational accessories such as MIL connectors are available on the sides for easy access. The Unit has console mountable provisions and is suited for any application that needs a rugged and reliable solution.

The TRICOR19RC meets the MIL-STD-810F and MIL-STD-461E standards, to suit any application that need a rugged solution.

TECHNICAL SPECIFICATIONS

PROCESSOR	up to Intel® Atom Quad Core	up to Intel® i7 9th gen 2.7 / 4.4GHz CPU, Xeon Hexa core CPU @ 2.8 to 4.5 GHz
GRAPHICS	HD-Graphic for Intel Atom	Intel CM246
MEMORY	8GB DDR3 ECC RAM exp. up to 32GB.	8GB DDR4, exp. up to 64GB
Display	18.5" Flat TFT, EMI LCD DISPLAY WITH RESISTIVE TOUCH SCREEN, 1920 X 1080 RESOLUTION, 800 Cd/m2 BRIGHTNESS, 1000:1 CONTRAST RATIO, 16.7 M COLOURS	
Storage	512 GB SATA SSD	
Keys	OSD keypad for display control.	
DIMENSIONS	2U Form factor	
Interfaces on MIL-DTL-38999 (SERIES-III) Connectors	1 X POWER MAIN CONNECTOR 1 X DVI (VGA) CONNECTOR 3 x GIGABIT ETHERNET CONNECTORS 1 x USB (3 PORTS) CONNECTOR 1 x USB CONNECTOR, 1 x SERIAL & AUDIO CONNECTOR 1 x Connector Spare XMC slot	
Power Input	230 VAC or 18-36 VDC input	
Power Consumption	<250W	
Software	WINDOWS 10, RHEL 7.5	
Dimensions	483mm x 355mm 140mm	
Weight	19.0 Kgs approx	
ENVIRONMENT	TEMPERATURE	-20°C to +55°C Operating. -40°C to +85°C Storage
	RELATIVE HUMIDITY	95% non-Condensing, @45°C
	VIBRATION	Random Vibration 0.002g2 /Hz max 5Hz to 500Hz Frequency range
	BUMP	4000 Bumps , 40g peak acceleration
	TROPICAL EXPOSURE	Each Cycle of 24 hours duration. @ 45°C, 95%RH
	CORROSION RESISTANCE	5% salt spray test
	EMI/EMC	MIL-STD-461E - CE101,CS114,CS115, Cs116, RE102, RS103 HESD.,CE102
OPTIONAL	GRAPHIC MODULE	NVIDIA GTX1050Ti GRAPHICS MODULE ON PCIE/104 TO XMC CARRIER WITH ONE SPARE XMC SLOT
	TOUCH	RESISTIVE TOUCH SCREEN
	KEYBOARD MODULE (External)	WATERPROOF KEYBOARD WITH TOUCH PAD AND INTEGRATED BIOMETRIC AUTHENTICATION TERMINAL
	MOUNTING	19"RACK MOUNTABLE/ VESA WALL MOUNT

ORDERING INFORMATION:

TRICOR19RC-46-A-2-A-1-XX

SBC	Description
PIP 49	Intel Xeon E2276ME Processor
PIP 46	Intel Core i7 9th Generation
CEC 20	Intel Atom

Add On. Module	Description
1	Required
0	Not Required

Ram Size	Description
A	16GB
B	32GB
C (PIP40 Family only.)	64GB

Power	Description
A	230V A/C I/P
B	18-36V DC I/P

Storage	Description
1	256GB SSD
2	512GB SSD
3	1TB SSD



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