

Versatile Rugged Computer

CRC3-HME



3U VPX Multi Purpose Architecture Rugged Computer

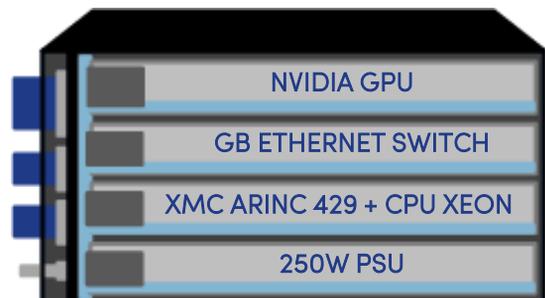
CRC3 system is a versatile, reliable and durable computer dedicated to harsh environments. Highly customizable, it has been designed to handle various applications and requirements in a minimum size. Our long experience in Defense & Aerospace ensures short time to market: Low risk and controlled price solution for critical programs.

Ideal for embedded communication management, console management, avionic mission computer, video acquisition or vetronic applications...

Features

- ◆ Small form factor
- ◆ 3U Open VPX
- ◆ Intel® Core™ i7 or Xeon-D/-E
- ◆ 10 ports Ethernet switched
- ◆ Layer 2+ / I3 management
- ◆ IP66 sealed system
- ◆ -40°C / +71°C operating
- ◆ Conduction cooled system
- ◆ COTS benefits for risk reduction

Architecture Example





Technical Data	
Processor	Up to 8 Core™ Xeon® D-1500 series Processor
Memory	Up to 32 GB soldered DDR4 with ECC
Switching	Up to ten 1000BaseT Ethernet ports, one 10Gb Ethernet optional IEEE 802.1Q tagged VLAN / IEEE 802.1x Built-in Radius client to cooperate with the Radius servers RFC 3748 Extensible Authentication Protocol (EAP) RCF 3826 SNMPv3
O/S	Linux, Windows (Others OS on request)
Boot Device	Solid State Drive, Onboard NAND Flash
Power Supply	28 VDC [18-36 range] MIL-STD-1275D compatible
Environment	MIL-STD-810 / MIL-STD-461
Temperature	-40°C to 71°C operating
Power dissipation	Up to 200W at full payload
Weight / Dimensions	8,3 kg at full payload / 180 x 150 x 250 mm
Storage	2.5" extractible SSD up to 4 TB
Cyber Security	TPM 2.0
Serial ports	(8) Programmable RS-232/422/485 synchronous & asynchronous channels
ARINC429/717 (Optional)	(16) Programmable ARINC429 Rx & Tx (2) Tx/Rx ARINC 717 Channels (8) Programmable Avionics Discrete I/O Channels
MIL-STD-1553 (Optional)	Up to 2 Dual Redundant MIL-STD-1553 Channels
Video	Inputs: 3G-SDI, HD-SDI, STANAG 3350, CoaXPres (Optional) Outputs: 1 x DVI