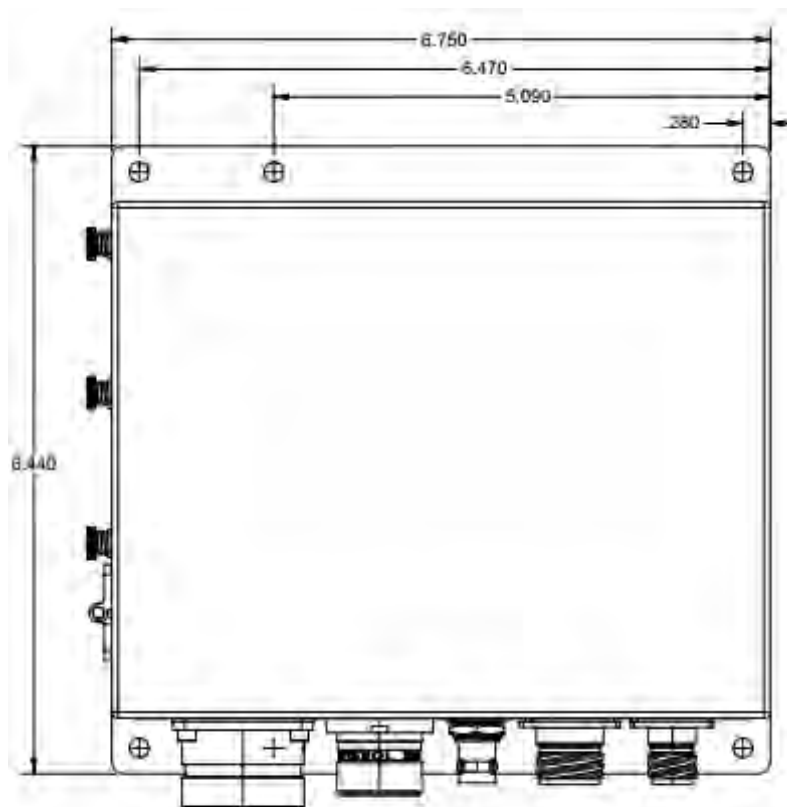


COMPACT MILITARY COMPUTER



The NLS RWC-DK67 "Hawkeye-1" was designed as a replacement for existing small format computers widely deployed on navy ships. The machined aluminum housing measures 6.75" wide x 6.44" deep x 2.25" tall and is environmentally sealed against dust, sand and water incursion to better than IP66 standards. The RW-DK67 features Intel's® Gen 11 System on Chip (SoC) Tiger Lake™ architecture with a 4.4GHz Core™ i7-1185G7E Quad Core CPU, 12MB cache and up to 32GB of DDR4 3200 RAM. A 500GB SSD is mounted to the underside of the top cover and is easily removed for replacement or system sterilization.



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COMPACT MILITARY COMPUTER

SYSTEM	RWC-DK67 TECHNICAL SPECIFICATION
Chipset	Intel® Tiger Lake UP3 SoC
CPU	11th Generation Intel® 4.4 GHz Core i7-1185GRE, 4 Core / 8 Thread, 12MB LLC
BIOS	AMI® UEFI BIOS
Memory	<u>Supplied COTS</u> : 16GB LPDDR4x-4267 with ECC support Also Available: up to 32GB
Graphics	Intel® Iris® Xe Graphics, 1.35 GHz DX12, OGL4.0 OCL1.2, HW Encode H.265/HEVC, H.264 MPEG2, HW Decode H.264
Display Output	<u>Supplied COTS</u> : 1x HDMI 2.0, 4096 x 2160 x 36bpp @ 60Hz Also Available: 1x Display Port 1.2, up to 4096 x 2160 @ 60Hz
Ethernet RJ45 Conn.	<u>Supplied COTS</u> : 1x 2.5GbE; Intel® i219LM Controller Also Available: 1x 1.0GbE; Intel® i210 Controller
USB Ports	<u>Supplied COTS</u> : 2x USB 3.2 Gen 2, 10GB/sec. Also Available: 2x USB 2.0
COM Ports	<u>Supplied COTS</u> : 1x RS232, 1x RS422 Also Available: 1x RS232/422/485 Configurable
Serial Bus.	Available: 1x I ² C, SMBus
Mass Storage	<u>Supplied COTS</u> : 1x 500GB SSD Also Available: 1x 2TB SSD, FIPS-140-2- Certification
Audio	Available: 1x Audio Channel, Line-In, Line-Out, MIC
Expansion	1x M.2 2280 M key (PCIe); for MIL-STD-1553 Option Daughter Board 1x M.2 B-Key 2242, M.2 M-Key 2242
Digital I/O (GPIO)	Available: 4 pin general purpose digital I/O
MIL-STD-1553	Standard Option: Dual Function BC/Mon or mRT/Mon via mPCIe adapter board Also Available: Full Function BC, mRT and Monitor via mPCIe adapter board
TPM	TPM 2.0, Infineon SLB9600
Watchdog Timer	65536 level, 0-65535 sec.
Operating Temp.	-40°C to +85°C
Storage Temp.	-40°C to +85°C
EMC	MIL-STD-461H: RE102, CE102, CS101, CS114, CS115, CS116, RS-101, RS-103
Power Supply	28VDC, 120W. MIL-STD-461H: CS101, CS114, CS115, CS116, RS101, RS103 MIL-STD-704F: SAC/SXF102, 104, 105, 109, 110
Housing W x D x H	6.75" x 6.44" x 2.25"
Weight	3.5 lbs.



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