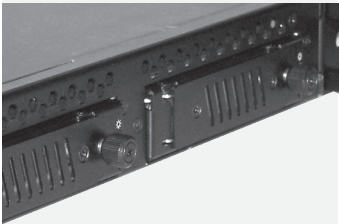


THREE3



When the US Navy required a rugged, rack-mount workstation, NCS designed a program-specific solution. NCS delivered THREE3.

Function in Design

The THREE3 Workstation provides the full functionality of a powerful workstation and the convenience of being rack-mounted.

Mount: THREE3 is a rugged variant of the NCS Small Form-Factor Workstation found on NCS' SPAWAR contract. The short 18" depth is ideal for all shipboard racks.

Rugged: THREE3 has been tailored for shore-based as well as shipboard operations. The steel 1U chassis has been tuned to withstand those types of conditions and remain in a mission-critical operational state. Shock (MIL-STD 901D Grade A), Harmonic Vibration (MIL-STD 167-1), Temperature, Humidity, and Altitude (MIL-STD 810-G) have all been designed into this solution to provide the US Navy with a proven platform for the fleet.

Power & Performance

Although THREE3 is a rugged rack-mount version of the legacy Small Form Factor Workstation already deployed with SPAWAR, each component has been scrutinized for its extended shelf life. NCS prides itself on Life-Cycle Management, ensuring the first system rolling off the manufacturing line is identical to the last.

The Processor: Powered by the Intel® Core™2 processor family, THREE3 delivers faster performance, greater energy efficiency, and more responsive multi-tasking so you can be more productive.

Secure: THREE3 includes the Infineon TPM Chip 9635 TT 1.2, which protects encryption and signature keys and supports attestation.

Video: Powered by the Intel® Graphics Media Accelerator X3100, the THREE3 Workstation provides users with an excellent blend of graphics performance and features without the extra expense of add-in video cards or decoders.

Support you expect

THREE3 was designed from the same engineering principles that have made NCS the chosen supplier to various government agencies, small and large business, Department of Defense, state and local governments, and a myriad of school districts.

Warranty & Support: THREE3 comes standard with a 1 year manufacturer's warranty. NCS has a comprehensive Customer Service Department which is always available to handle any questions, comments, or concerns.



	SYSTEM SPECIFICATIONS
PROCESSOR	FC-LGA4 Package (775-land Package) With Support For EM64T ISA Architecture Intel® NetBurst™ Microarchitecture (1066 MHz or 1333 MHz FSB) Intel® Core 2™ Extreme Quad Processor, 2.93 to 3.0 GHz Intel® Core 2™ Quad Processors, 2.4 GHz to 2.83 GHz Intel® Core 2™ Duo (Dual Core) Processors, 1.86 GHz to 3.16 GHz
CHIPSET	Intel® Q35 Chipset; Intel® 82801IO I/O Controller Hub (ICH9DO) with DMI Interconnect.
BIOS	32 Mbit Flash ROM, AMI BIOS - DMI 2.0, WfM 2.0 Plug & Play, Award® JumperFree Trend® ChipAway Virus SM BIOS 2.3, ACPI 2.0a, PC '01 Compliant
SYSTEM MEMORY	Four 240-pin Dual Channel DIMM Sockets supporting Non-ECC 1066 MHz, 800 MHz or 667 MHz DDR2 SDRAM Memory 1GB or 2GB DIMMs; Maximum Memory Capacity of 8GB
SYSTEM MANAGEMENT	Hardware, Voltage and Thermal Monitoring, CPU Fan Control Through Asus Q-Fan, Enhanced Advanced Configuration and Power Interface (ACPI) v1.0b, LAN Wake, Resume-on-Ring, Wake-from-USB and Wake-from-PS/2 Devices Support, Instantly Available PC Technology, Alert Standard Format (ASF) v2.0
INTEGRATED PCI/IDE	(1) UltraDMA 133/100/66 for up to 2 PATA devices
INTEGRATED RAID	6 Independent Channels Supports 6 Serial ATA Devices Supports 3GB/sec maximum (SATA-IO Specification) Intel® Matrix Storage Technology via Intel® 82801IO I/O Controller Hub (ICH9DO) Supports RAID 0, RAID 1, RAID 5 or RAID 0 +1
INTEGRATED SECURITY & ENCRYPTION	Infineon TPM Chip 9635 TT 1.2 (Protects Encryption and Signature Keys and Supports Attestation)
INTEGRATED AUDIO	Integrated 8 (7.1)-Channel High Definition Audio (RealTek ALC883 Audio CODEC) Front Panel Connectors: Headphone & Microphone In Back Panel Connectors: Line-in, Line-out and Microphone-in and Flexible 8-Channel Audio With Jack Sensing
INTEGRATED VIDEO	Intel® Graphics Media Accelerator X3100 Dynamic Video Memory Technology (DVMT) up to 384 MB (with 1GB of system memory) High Definition Video Processing with Max. Resolutions to 2048 x 1536 bpp@ 75Hz
INTEGRATED ETHERNET	Intel® 82566DM PCIe Gigabit LAN Controller (10/100/1000 Mbps/sec) with Support for WOL & PXE Functions
EXPANSION SLOTS	(1) PCI Express X16 Slot, (1) PCI Express X1 Slot, (2) 32-bit PCI Bus Slots
I/O PORTS	(1) VGA Port (1) PS/2 Keyboard Port (1) PS/2 Mouse Port (1) RS-232 DB9 Serial Port (via internal motherboard header) (1) SPP/ECP/EPP Parallel Port (2) IEEE 1394a Ports (one in the front and one in the back) (6) USB 2.0 Ports (two in the front and four in the back) (1) RJ-45 Port
DIMENSIONS (HxWxD) in.	1.75" X 17" X 18"
WEIGHT	18lbs.
CHASSIS	1U Steel Rack-Mount

Actual functionality may be limited to other factors, including type, number and capabilities of optional modules incorporated. NCS may make changes to product specifications at any time and without notice. The information in this document is for informational use only, is subject to change without notice. NCS assumes no responsibility or liability for any errors or inaccuracies that may appear. THREE3 and the THREE3 graphic are the property of NCS Technologies, Inc. All names are provided for informational use only. Other brands, names, and marks may be claimed as property of their respective owners.



+1 (703) 743-8500
www.ncst.com