

Comrade 700

Rugged Portable Super Computer

Features



- Intel Core i7 980X, 3.3GHz processor
- 24GB of DDR3 RAM & up to 16TB of disk space
- nVidia Tesla & Quadro FX3800 with CUDA parallel computing architecture
- Four PCI-e (x16) expansion slots
- Up to 8 removable SATA HDD's
- Built-in Bluray drive & RAID controller
- 16:10, 1920x1200 WUXGA, 17" LCD
- Rugged aluminum alloy construction



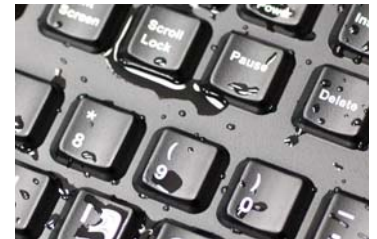
Rugged aluminum alloy construction



Easy access I/Os



Storage & optical drives



Optional waterproof keyboard

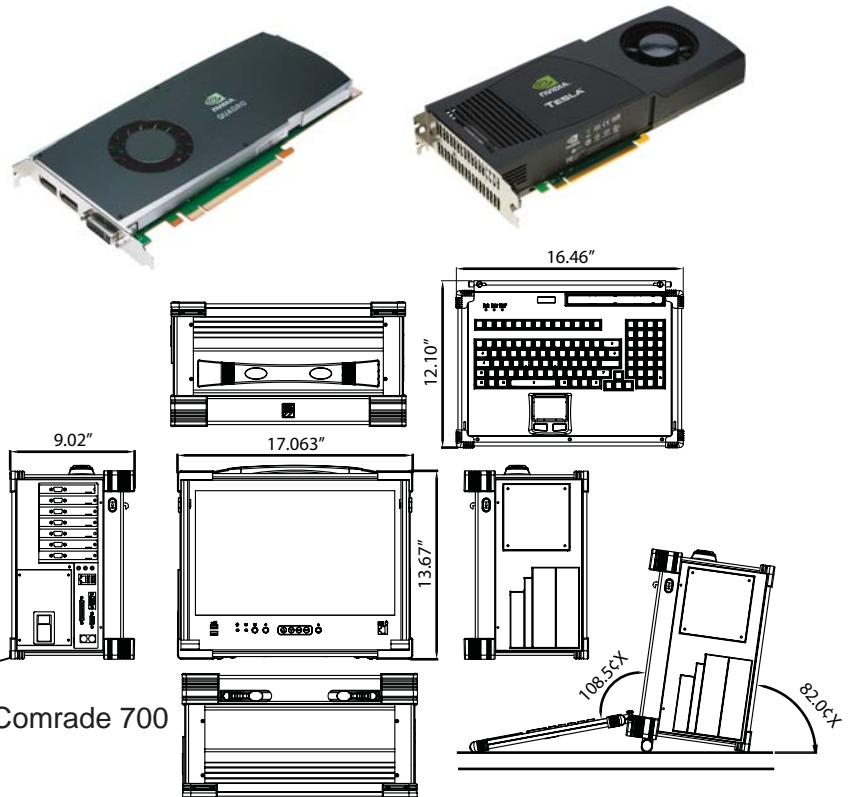
Introduction

Featuring Tesla cards and a Quadro FX3800 card, the Comrade 700 is the ultimate portable platform for intensive parallel computing on tons of data delivering nearly 4 teraflops per second. It is the best choice to work as a portable supercomputer on the go. The four available PCI-E Gen2 x16 slots allow enough I/O bandwidth to fulfill most demands for graphics or computing-intensive applications - bar none - any existing portable platform. Comrade 700 is assured of jaw-dropping graphics at a level previously unseen.

Assembled in USA, the Comrade 700 Super Portable platform comes with two high-performance SAS drives, optional 6 SATA drives, dual Gb LAN with teaming function, 24GB DDR3 memory, 8-Channel High Definition audio, 12 USB ports, built-in RAID, 1394a port, and Bluray optical drive. The display is protected by tempered anti-glare glass. There are also options such as adding touch screen or upgrading to sunlight readable LCD to meet specific applications.

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Display

Diagonal	17", 16:10
LCD Resolution	1920 x 1200
Brightness	300 nits
Contrast Ratio	500:1
Backlight MTBF	50K Hours

Compliance

Quality	ISO 9001
Shock	Operating: 10g, 11ms, Half-Sine Non-Op: 30g, 11ms, Half-Sine
Vibration	Operating: 10-500Hz (0.4Grms) Non-Op: 10-500Hz (1.12Grms)

Specifications

Model	Comrade 700
Chipset	Intel x58 + ICH10R, Nvidia NF200*2
Slot	3 x PCIe (x16 or x8), 3 x PCIe (x8), 1 x PCIe (x16)
Storage	2 x SAS + 6 x SATA + 2 x eSATA
RAID Internal	Intel Matrix Storage Support RAID 0, 1, 5, 10
CPU	Intel Core i7 Extreme 980X (3.33GHz) or dual Xeon 5600
Memory	12GB, DDR3 2133 Non-ECC, Un-buffered (Max. 24GB)
Audio	8-Channel High Definition Audio CODEC
USB	12 USB 2.0 Ports
LAN	Dual Gb LAN with teaming function
Power	1250W, 110/220V, 50/60Hz
VGA	nVidia Quadro FX3800 with Tesla GPU + CUDA support
HDD	Up to 16TB internal storage
Optical	Bluray optical drive
IEEE 1394	1 x 1394a port
O/S	Windows 7 Pro
Dimension / Weight	17.06"W x 13.67"H x 9.02"D / 30 LBs

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