

ACE® HIGH PERFORMANCE WORKSTATION LOGICAD LC-F3XS2

Ace Computers' is the CCS-3 QEB2025A
High-Performance Workstations and Ultra Small Desktop Awardee
Contract # FA8055-22-A-3001
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TAA Compliant



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ACE® HIGH PERFORMANCE WORKSTATION

ACE LOGICAD LC-F3XS2

Key Specifications:

Part	Description
OS	Standard Desktop Configuration (SDC) latest version (64-bit Microsoft Windows Enterprise Edition with Microsoft Office Suite plus other applications)
System	Ace LogiCAD LC-F3XS2 Tower Workstation
Case	Mid-Tower
PU	EPYC 9254 - 24 Cores/48 Threads, 128MB Cache
Graphics	Nvidia RTX A2000 ECC Memory
Memory	DDR 5 - 5600 ECC-R
Storage Drive	PCI-E 4.0 High Speed, High Endurance Class 73 NVME M.2 SSD 2 or 8TB NVME M.2 SSD PCIe 4.0 on motherboard
Trusted Platform Module (TPM)	Discrete TPM
I/O Ports & Connectors	8 (6 rear, 2 front) USB 3.2 Gen 1 Type A Ports, 1x USB 3.2 Gen 2x2 Type C (front), 1 Serial Port (for console)
Power Supply	Dual Voltage 100-240V Autosensing
Mouse	USB Optical 2-Button Mouse
Keyboard	104 Key USB English language keyboard with an integrated Smart Card Reader
Power Supply	Dual Voltage 100-240V Autosensing, 120W
Weight	35 lb
Dimensions	19.44 x 9.13 x 19.4
Warranty	4-Year NBD On-Site Warranty

HPW Upgrades

Part	Description
Operating System #1	Load MS Windows 11 Pro Non-AFIN
Operating System #2	Load Linux OS on the system with Red Hat Workstation edition
Memory #1	Upgrade to 256GB DDR5 5600 MHz (4x64GB Modules; total capacity 256GB)
Memory #2	Upgrade to 512GB DDR5 5600 MHz (8x64GB Modules; total capacity 512GB)

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Upgrade Options Continued

Part	Description
Storage #1	Upgrade to 15.36TB NVME U.3 SSD direct connected to motherboard via MCI0 connection, capacity 15.36TB
Storage #2	Upgrade to 2 x 15.36TB NVME U.3 SSD connected via full featured PCIe Raid Controller Card capable of RAID (0,1,5, 6,10, 50, 60); total system capacity 30.72TB plus 2TB Boot Drive
Storage #3	Upgrade to 4 x 15.36TB NVME U.3 SSD connected via full featured PCIe Raid Controller Card capable of RAID (0,1,5, 6,10, 50, 60); total system capacity 61.44 TB plus 2TB Boot Drive
Processor #1	Upgrade to AMD/ EPYC 9354P - 32 Cores/64 Threads, 256MB Cache
Processor #2	Upgrade to AMD/ EPYC 9454P - 48 Cores/96 Threads, 256MB Cache
Co-Processor #1	Add Nvidia RTX 4000 ADA, 20GB GDDR6 memory, supports 26.7 TFLOPS Single Precision Floating Point Computation Capability - Added as a co-processor to existing video card. Supports ECC memory on board
Co-Processor #2	Add Nvidia RTX 5000 ADA, 32GB GDDR6 memory, supports 65.3 TFLOPS Single Precision Floating Point Computation Capability and 1.020 TFLOPS Double Precision Floating Point Computation Capability. Supports ECC memory on board
Graphics #1	Upgrade to RTX 4000 ADA, 20GB GDDR6 memory (4 x DisplayPort native)
Graphics #2	Upgrade to RTX 6000 ADA, 48GB GDDR6 memory (4 x DisplayPort native)
Removable Media	Add Internal Blu-Ray/-RE
Remove Mouse	Remove Standard USB Mouse
Remove Keyboard	Remove Standard USB CAC Keyboard
Keyboard	Replace USB CAC keyboard with USB 104 Standard Keyboard without CAC reader
CAC Reader	Add external SCR3310 CAC Reader
BIOS/UEFI	Disable Audio in BIOS
Fiber Card #1	Upgrade fiber with MT-RJ connector that supports 1GB Ethernet
Fiber Card #2	Upgrade fiber with SC connector that supports 1GB Ethernet
Fiber Card #3	Upgrade fiber with ST connector that supports 1GB Ethernet
Fiber Card #4	Upgrade fiber with LC connector that supports 1GB Ethernet
Fiber Card #5	Upgrade fiber with SX/SC connector that supports 1GB Ethernet
Fiber Card #6	Upgrade fiber with LC connector that supports 10GB Ethernet

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