

# ACE® LogiCAD LO-MTTC71

The Ace LogiCAD Series delivers high-performance, customizable workstations engineered for intensive professional workloads. Optimized for engineers, developers, scientists, editors, and architects, LogiCAD systems offer scalable configurations—Mini-Tower, Mid-Tower, Full Tower, and Rackmount—with cutting-edge GPU options from NVIDIA and AMD. Designed for precision and reliability, each unit supports tailored performance profiles, from accelerated 3D rendering to compute-heavy simulations, making LogiCAD the definitive solution for demanding technical environments.

[sales@acecomputers.com](mailto:sales@acecomputers.com)

## I/O Specifications

Front I/O:

- 2 x USB 3.0

Rear I/O:

- 1 x USB 3.1 Gen 1 ports (1 x Type-A)
- 1 x USB 2.0 ports (1 x Type-A)
- 1 x D-Sub 15-pin
- 2 x RJ-45 10Gb
- 1 x IPMI Remote Management Port



TAA Compliant



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## Key Specifications:

Part	Description
Operating System	No OS Installed
Chassis	Full Tower Form Factor
Motherboard	Intel C741 dual-socket motherboard
Processor	Dual Xeon 4510T Processors with 24 cores, 48 threads, 3.2GHz across both CPUs
Memory	128GB DDR5 6400MT/s RAM
Storage	1.92TB NVMe M.2 PCIE4 Enterprise
Graphics	RTX A1000 8GB
Power Supply	1,200W 80+ Platinum Power Supply

## Upgrade Options:

Part	Description
UPG-KBD-MK1-MK2	Upgrade Standard Keyboard to Media Keyboard and Mouse
UPG-KBD-MK1-MK7	Upgrade to Wireless Keyboard and Mouse
UPG-KBD-MK1-CAC	Upgrade to Keyboard with CAC Reader
ADD-SGPU-S	ADD Nvidia RTX Pro 4000 Blackwell - 24GB GDDR7
ADD-SGPU-T	ADD Nvidia RTX Pro 5000 Blackwell - 48GB GDDR7
UPG-WGPU-5-6	Upgrade to Nvidia RTX 2000 ADA
UPG-WGPU-5-7	Upgrade to Nvidia RTX 4000 ADA
UPG-WGPU-5-B	Upgrade to Nvidia RTX 6000 ADA
UPG-WGPU-5-C	Upgrade to Nvidia Pro 6000 Max Q
ADD-WGPU-4	Add NVIDIA RTX A400 4GB
ADD-WGPU-5	Add NVIDIA RTX A1000 8GB GDDR6
ADD-WGPU-6	Add NVIDIA RTX 2000 ADA 16GB
ADD-WGPU-7	ADD Nvidia RTX 4000 ADA
ADD-WGPU-A	ADD Nvidia RTX 5000 ADA
ADD-WGPU-B	ADD Nvidia RTX 6000 ADA
ADD-WGPU-D	ADD Nvidia Pro 6000 Max Q

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## Upgrade Options:

Part	Description
UPG-MEM-R5-5-H	Upgrade to 256GB (8x32) DDR5 6400MT/s ECC
UPG-MEM-R5-5-J	Upgrade to 512GB (8x64) DDR5 6400MT/s ECC
UPG-MEM-R5-5-L	Upgrade to 1024GB (8x128) DDR5 6400MT/s ECC
UPG-EBOOT-2-8	Upgrade to 7.68TB PCIe 4.0 NVMe SSD
ADD-OS-W	Add Windows 11 Pro Workstation 8+ cores (No Downgrade)
ADD-NET-1G-1	ADD 1 port 1 GB Ethernet RJ-45 Network Card
ADD-NET-1G-2	ADD 2 port 1 GB Ethernet RJ-45 Network Card
ADD-NET-2G-3	ADD 1 port 2.5 GB Ethernet RJ-45 Network Card
ADD-NET-10G-4	ADD 1 port 10 GB Ethernet RJ-45 Network Card
ADD-NET-10G-5	ADD 2 port 10 GB Ethernet RJ-45 Network Card
ADD-NET-1GF-A	ADD 1 port 1 GB Fiber Network Card (Open SFP)
ADD-NET-10GF-B	ADD 1 port 10GB Fiber Network Card (Open SFP)
ADD-NET-10GF-C	ADD 2 port 10GB Fiber Network Card (Open SFP)
ADD-NET-Q1GB-D	ADD 4 Port 1GB Ethernet RJ-45 Network Card
ADD-NET-Q10GB-E	ADD 4 Port 10GB Ethernet RJ-45 Network Card
ADD-NET-Q10GBS-F	ADD 4 Port 10GB Fiber Network Card (Open SFP)
ADD-MEDIA-BAY-1	ADD Internal DVD-RW
ADD-MEDIA-BAY-2	ADD Internal 24X Blu-Ray Read/Write
ADD-MEDIA-BAY-4	ADD 1x Removable M.2 Drive Enclosure
ADD-MEDIA-BAY-5	ADD 2x Removable M.2 Drive Enclosure
ADD-MEDIA-BAY-6	ADD 1x Removable 2.5" NVMe Drive Enclosure
ADD-MEDIA-BAY-7	ADD 1x Hot Swap 2.5" SATA Drive Enclosure
ADD-MEDIA-BAY-8	ADD 1x Hot Swap 3.5" SATA Drive Enclosure
ADD-MEDIA-BAY-9	ADD 1x Hot Swap 3.5" SAS Drive Enclosure
ADD-MEDIA-BAY-X	ADD 1x 5.25" Bay Multi Card Reader (xD, Micro SD, SD, CF, MS)

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## Upgrade Options:

Part	Description
ADD-ESTO-SATA-1	ADD 4 TB 3.5" SATA Enterprise HDD
ADD-ESTO-SATA-2	ADD 8 TB 3.5" SATA Enterprise HDD
ADD-ESTO-SATA-3	ADD 10 TB 3.5" SATA Enterprise HDD
ADD-ESTO-SATA-4	ADD 14 TB 3.5" SATA Enterprise HDD
ADD-ESTO-SATA-5	ADD 20 TB 3.5" SATA Enterprise HDD
ADD-ESTO-SAS-A	ADD 4 TB 3.5" SAS Enterprise HDD
ADD-ESTO-SAS-B	ADD 8 TB 3.5" SAS Enterprise HDD
ADD-ESTO-SAS-C	ADD 10 TB 3.5" SAS Enterprise HDD
ADD-ESTO-SAS-D	ADD 16 TB 3.5" SAS Enterprise HDD
ADD-ESTO-SAS-E	ADD 20 TB 3.5" SAS Enterprise HDD
ADD-ESTO-SAS-F	ADD 22 TB 3.5" SAS Enterprise HDD
ADD-ESTO-SAS-G	ADD 24 TB 3.5" SAS Enterprise HDD
ADD-ESTO-NVME-M	ADD 400 GB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-N	ADD 480 GB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-O	ADD 800 GB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-P	ADD 960 GB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-Q	ADD 1.6 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-R	ADD 1.92 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-S	ADD 3.2 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-T	ADD 3.84 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-U	ADD 6.4 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-V	ADD 7.68 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-W	ADD 12.8 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-X	ADD 15.36TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-Y	ADD 30.72 TB PCIE4.0 NVMe Enterprise SSD
ADD-ESTO-NVME-Z	ADD 61.44 TB PCIE4.0 NVMe Enterprise SSD

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## Upgrade Options:

Part	Description
ADD-NET-5	ADD 2-port RJ45 10Gb Ethernet PCI-E3.0 x8 NIC Network Card
ADD-NET-8	ADD 2-port SFP+ 10Gb Ethernet PCI-E3.0 x8 NIC Network Card
ADD-NET-C	ADD 2-port SFP28 10/25Gb Ethernet PCI-E3.0 x8 NIC Network Card
ADD-NET-D	ADD 4-port SFP28 25Gb Ethernet PCI-E4.0 x16 NIC Network Card
ADD-NET-E	ADD 2-port QSFP56 100GbE PCIe4.0 x16 Ethernet Adapter Card
ADD-NET-F	ADD 2-port QSFP112 200GbE PCIe5.0 x16 Ethernet Adapter Card
ADD-NET-G	ADD 1-port QSFP 400GB PCIe 5.0 X16 ConnectX-7 NDR IB Network Card
ADD-RAID-8	ADD 8-port RAID Controller - 12Gb/s SAS/SATA 4Gb Cache - PCIE4.0 x8 - RAID Supported - 0, 1, 5, 6, 10, 50, 60, JBOD
ADD-RAID-A	ADD 16-port RAID Controller - 12Gb/s SAS/SATA 8Gb Cache - PCIE4.0 x8 - RAID Supported - 0, 1, 5, 6, 10, 50, 60, JBOD
UPG-XEON52P-4-W	Upgrade Dual Xeon Silver 4510 to Dual Xeon Silver 5414Y: 16C/32T, 2.0GHz, 30MB Cache, 150W
UPG-XEON52P-4-I	Upgrade Dual Xeon Silver 4510 to Dual Xeon Gold 6530: 32C/64T, 2.1GHz, 160MB Cache, 270W
UPG-XEON52P-4-V	Upgrade Dual Xeon Silver 4510 to Dual Xeon Platinum 8558: 48C/96T, 2.1GHz, 260MB Cache, 330W
UPG-XEON52P-4-M	Upgrade Dual Xeon Silver 4510 to Dual Xeon Platinum 8592+ 64C/128T, 1.9GHz, 320MB Cache, 350W
UPG-XEON52P-4-1	Upgrade Dual Xeon Silver 4510 to Dual Xeon Silver 4516Y+: 24C/48T, 2.2GHz, 45MB Cache, 185W
UPG-XEON52P-4-H	Upgrade Dual Xeon Silver 4510 to Dual Xeon Gold 6534: 8C/16T, 3.9GHz, 22.5MB Cache, 195W
UPG-XEON52P-4-J	Upgrade Dual Xeon Silver 4510 to Dual Xeon Gold 6526Y: 16C/32T, 2.8GHz, 37.5MB Cache, 195

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