



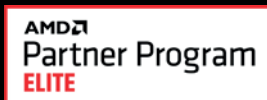
HORIZON T12770

minitower business desktop



HORIZON D12770

Small Form Factor business desktop





Perfect for

- › Multimedia
- › Creativity applications
- › Education
- › Finance
- › Design - 2D, 3D, CAD
- › Workspace design and layout

Customized to your requirements

Powered by the latest generation of AMD Ryzen™ 7000 series processors, our business-class desktops and micro PCs can be customized to your exact requirements. We understand that you require budget-friendly, energy-efficient systems that provide superior reliability and speed-up your everyday business computing tasks.

DDR5 Support

This business motherboard is a DDR5-compatible motherboard that optimizes memory module speeds and stability, while providing an advanced voltage delivery architecture for greater energy efficiency.

Better serviceability

Q-LED Core diagnostic display and COM debug header to facilitate building and support processes

Ultrafast connectivity

M.2 PCIe 5.0, DDR5, USB 3.2 Gen 2 ports and front USB 3.2 Gen 1 Type-C®

Security

ASUS Boot Defender with NIST SP800-193 compliance, a self-recovering BIOS, and TPM to safeguard PCs



Data sheet

TECH SPECS

Form Factor	Micro ATX
Motherboard	Asus® Pro B650M-CT-CSM
Chipset	AMD B650
Processor	AMD Socket AM5 for AMD Ryzen™ 7000 or 8000 Series processor
Memory	4 DIMM slots, Max. 128 GB, DDR5 ECC and Non-ECC, Un-buffered The base memory operates in dual-channel mode and provides on-die ECC (Built-in Data Checking)
Storage	1 M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode) 1 M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode) 4 SATA 6.0 Gb/s connectors AMD RAIDXpert2 Technology supports both PCIe RAID 0/1/10 and SATA RAID 0/1/10.
Expansion Slots	1 PCIe 4.0 x16 slot (supports x16 mode) 1 PCIe 4.0 x16 slot (supports x4 mode) 1 PCIe 4.0 x1 slot
Video	AMD Radeon™ 740M graphic engine Supports up to 3 displays simultaneously (1 HDMI 2.1 and 2 DisplayPort 1.4) 1 PCI Express 4.0 x16 slot for discrete add-on controller
Audio	8 channel High Definition audio controller with Realtek® audio codec Built-in speaker for the recreation of Windows generated sound events
Network Controller	1 Realtek® 1 Gb Ethernet port that supports Wake-On-LAN and PXE Boot
Wireless & Bluetooth®	M.2 slot only (Key E, PCIe) (Wi-Fi module is sold separately.)
Front I/O Ports	1 USB 3.2 gen 1 type C port (D12770/T12770) 1 USB 3.2 gen 1 type A port (D12770/T12770) 2 USB 2.0 ports (T12770) 1 SD card port (T12770) 1 earphone jack (D12770/T12770) 1 microphone jack (T12770)
Rear I/O Ports	1 USB 3.2 Gen 2 type C port 1 USB 3.2 Gen 2 type A port 2 USB 3.2 Gen 1 type A ports 4 USB 2.0 ports 1 HDMI 2.1 and 2 DisplayPort 1.4 ports 1 RJ45 port 3 audio ports 1 PS/2 port
Internal I/O Ports	1 USB 3.2 gén. 1port 4 USB 2.0 ports (D12770) - 2 USB 2.0 ports (T12770) 1 serial port and 1 LPT headers



HORIZON D12770 / T12770

Power Supply	TFX 300 W 80 PLUS Gold for D12770 - ATX 450 W 80 PLUS Gold for T12770 Compliant with Wake-on-Lan feature
Casing	Desktop SFF type (µATX) for D12770 Minitower type (µATX) for T12770
Dimensions and weight	318 mm W x 340 mm D x 97 mm H (10.49 L) for D12770 - 4.483 kg 172 mm W x 397 mm D x 384 mm H (26.22 L) for T12770 - 6.02 kg
Optical Drive	Wide choice of optical drives and writers available
Safety Features	Casing intrusion switch installed and functional Management utilities for Embedded UEFI/BIOS tamper resistance integrated Kensington slot NIST SP 800-147 compliant, secure UEFI Management utilities for Pre-boot and multi-factor authentication set up integrated Trusted Platform Module on board
Management Tools	DMI LANDesk Client Manager Browser ; Updatable BIOS from either hard drive or network CIM, SMBIOS, DEN, WBEM and ASF standards compliant, latest versions ; DMI 2.0 compliant hardware management system ; Intel® Wired for Management Technology (WfM) ; AMD Pro stable image platform eligible Supports AMD-v virtualisation Support AMD DASH enabled from the factory; the ability to provision AMD DASH for use is available after the system has been deployed.
Environmental Features	APM 2.0 and ACPI 5.0 compliant Power Management Power consumption depending on system load (EPT) Overheat protection and shut down CPU fan speed adjusted depending on CPU temperature



Why Choose Hypertec?

We work with the top software, hardware, storage and Cloud partners in order to get you where you need to be faster, better, and more efficiently.



In-House Expertise & High-Performance Products

Due to our in-house engineering expertise, our CIARA products deliver high performance hardware solutions customized for any workload.



Top Hardware & Software Partnerships

Our solid hardware partnerships with Intel®, AMD, and NVIDIA® and top software leaders like Autodesk, Colorfront and Chaos allow us to provide top solutions.



Dedicated Support & Expert Consulting Team

Our veteran team has +20 Years of experience working with leaders in the field. You can rely on our team for support and guidance at any step of your project.



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We have different financing options for North America, and we help you meet your credit requirements for your project-specific needs.



Sustainable Hardware & Data Center Solutions

We build and integrate custom sustainable data center hardware and immersion cooling solutions that help lower your OPEX and CAPEX.



Performance-Optimized Cloud Infrastructure

We offer reliable, secure, and tailored cloud infrastructure for the most demanding workloads and applications at a balanced price point.



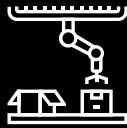
The 360° Hypertec
Solution

We bring a full 360° solution so all you need to do is sit back and enjoy all the benefits without the headache and save on OPEX and CAPEX. Our professional services enhance your IT journey by reducing time, TCO, effort and resources.

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Learn more



Factory
Assembly



BIOS & Firmware
Settings



Software & OS
Installation



Customer
Image



Installation
Planning



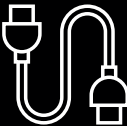
Unpacking
New Systems



Onsite
Installation



Network-Power
Connection



Component
Connection



Network Device
Connection



Global
Warranty



Workflow & Pipeline
Consulting

Limited Warranty

Hardware warranty includes a one year, parts and labour with return to Hypertec USA or Canada. Customers may purchase an extended warranty of up to 5 years on parts and labour with different support levels. For additional information regarding worldwide limited warranty and technical support, please visit: <https://hypertec.com/support-services-policy/>.