



CYNIX ProX ix5440 Workstation

Highly Efficient performance and ultimate expandability



Power through the most complex, demanding applications more quickly with a new generation of dual-socket performance with the Intel Xeon W Processor family. Top-of-the-line power to fuel those who reimagine our world. our workstation capable to run complex simulations, handle advanced Machine Learning algorithms and process huge amounts of data.

Feature	CYNIX ProX ix5440 Workstation Technical Specifications
Processor	Intel® Xeon® w3-2423 (15 MB cache, 6 cores, 2.1 GHz to 4.2 GHz) Intel® Xeon® w3-2425 (15 MB cache, 6 cores, 3.0 GHz to 4.4 GHz) Intel® Xeon® w3-2435 (22.5 MB cache, 8 cores, 3.1 GHz to 4.5 GHz) Intel® Xeon® w5-2445 (26.25 MB cache, 10 cores, 3.1 GHz to 4.6 GHz) Intel® Xeon® w5-2455X (30 MB cache, 12 cores, 3.2 GHz to 4.6 GHz) Intel® Xeon® w5-2465X (33.75 MB cache, 16 cores, 3.1 GHz to 4.7 GHz) Intel® Xeon® w7-2475X (37.5 MB cache, 20 cores, 2.6 GHz to 4.8 GHz) Intel® Xeon® w7-2495X (45 MB cache, 24 cores, 2.5 GHz to 4.8 GHz) Intel® Xeon® W5-3423 (30 MB cache, 12 cores, 24 threads, 2.10 GHz to 4.20 GHz, 220 W) Intel® Xeon® W5-3425 (30 MB cache, 12 cores, 24 threads, 3.20 GHz to 4.60 GHz, 270 W) Intel® Xeon® W5-3433 (45 MB cache, 16 cores, 32 threads, 2.0 GHz to 4.20 GHz, 220 W) Intel® Xeon® W5-3435X (45 MB cache, 16 cores, 32 threads, 3.10 GHz to

	<p>4.70 GHz, 270 W) Intel® Xeon® W7-3445 (52.5 MB cache, 20 cores, 40 threads, 2.60 GHz to 4.80 GHz, 270 W) Intel® Xeon® W7-3455 (67.5 MB cache, 24 cores, 48 threads, 2.50 GHz to 4.80 GHz, 270 W) Intel® Xeon® W7-3465X (75 MB cache, 28 cores, 56 threads, 2.50 GHz to 4.80 GHz, 300 W) Intel® Xeon® W9-3475X (82.5 MB cache, 36 cores, 72 threads, 2.20 GHz to 4.80 GHz, 300 W) Intel® Xeon® W9-3495X (105 MB cache, 56 cores, 112 threads, 1.90 GHz to 4.80 GHz, 350 W)</p>
Chipset	Intel® W790 Series Chipset
Operating System Options	Windows 11 Pro for Workstations Windows 10 Pro for Workstations Latest Ubuntu 24.04 LTS Red Hat® Enterprise Linux®
Video Card	<p>Entry 3D: NVIDIA® T400 4mDP (4GB GDDR6 dedicated) NVIDIA® T400 4mDP (2GB GDDR6 dedicated) NVIDIA® Quadro® P620 4mDP (2GB GDDR5 dedicated)</p> <p>Mid-range 3D: NVIDIA® T1000 4mDP (8GB GDDR6 dedicated) NVIDIA® T1000E 4mDP (8GB GDDR6 dedicated) AMD Radeon™ Pro WX3200 4mDP (4GB GDDR5 dedicated) NVIDIA® Quadro® P1000 4mDP (4GB GDDR5 dedicated) NVIDIA® Quadro® T1000 4mDP (4GBG DDR6 dedicated) NVIDIA RTX™ A2000 4mDP (6GB GDDR6 dedicated) NVIDIA RTX 2000 Ada 4mDP (16GB GDDR6 Dedicated)</p> <p>High-end 3D: NVIDIA RTX™ A4500 4DP (20GB GDDR6 dedicated) NVIDIA RTX™ A4000 4DP (16GB GDDR6 dedicated) NVIDIA RTX 4000 Ada 4DP (20GB GDDR6 Dedicated) AMD Radeon™ Pro W5500 4DP (8GB GDDR5 dedicated); AMD Radeon™ Pro W5700 5mDP (8GB GDDR5 dedicated)</p> <p>Ultra High-end 3D: NVIDIA® Quadro® GV100 4DP (32GB GDDR5 dedicated) AMD Radeon™ Pro W6800 6mDP(32GB GDDR6 dedicated) NVIDIA® RTX™ A6000 4DP (48GB GDDR6 dedicated) NVIDIA® RTX™ A5000 4DP (24GB GDDR6 dedicated) NVIDIA RTX 5000 Ada 4DP (32GB GDDR6 Dedicated) NVIDIA® Quadro® SYNC II</p>

Memory	Up to 1 TB 4800/4400MHz ECC DDR5 RDIMMs (for Intel® W configurations); 512 GB 4800/4400MHz non – ECC DDR5 DIMMs (for Intel® Core™ X configurations)
Memory slots	8 DIMM
Communication	Integrated: Intel® 10/100/1000 Gigabit Ethernet controllers with Intel Remote Wake UP Optional: Intel® i210 10/100/1000 single port PCIe (Gen 3 x1) gigabit network card, Intel® X550-T2 10GbE dual port PCIe (Gen 3 x4) network card, Intel® Wi-Fi 6E AX21x – Ultra-fast tri-band wireless module with Wi-Fi 6E (6 GHz support) and Bluetooth 5.3
Ports	Front: 1 headset connector 2 USB v3.x 1 USB Type C GEN 2 Rear: 1 VGA connector, 1 COM connector, 1 IPMI management connector, 2 USB 2.0 connectors, 5 USB 3.x connectors, 2 RJ-45 2.5GbELAN connectors, 2 RJ-45 10GbELAN Connectors (Optional) 1 type-C connector, 1 8-channel audio connector, 1 UID switch (with LED) 1 Display Port (optional)
Optical Drive	Slim DVD-ROM Slim Blu-ray Writer Slim DVD-Write
Form factor	Tower (512L * 212W * 487H {in mm})
Drive Bays	Two 5.25", Three 2.5" or 3.5
Slots	3 standard PCIe 5.0 x16 slots (x16 signals) 1 standard PCIe 4.0 x16 slot (X8 signals) 3 Standard PCIe 4.0 x8 (x8 slots)
Primary Storage	3.5" SATA HDD 6Gb/s 7.2k RPM up to 12TB 3.5" Enterprise SATA HDD 7.2k RPM up to 12TB 2.5" SATA SSD 6GB/s up to 2TB 2.5" U.2 PCIe NVMe SSD up to 1.5TB M.2 PCIe NVMe SSD up to 2TB
Storage Controller	M.2 SSD Controllers Integrated NVMe Controller with RAID 0/1/10 Upgrade

	Integrated NVMe Controller, non-RAID HDD Controllers Onboard Intel RSTe SATA
Warranty	3 Years Hardware Service with Onsite/In-Home Service after Remote Diagnosis, warranty extensions up to 5 years Accidental Damage Service is available to accompaniment certain warranty options from 3-5 years Keep your hard drive Options Available on certain SKU.
Audio and Speakers	Integrated high-definition audio controller Optional Internal Speaker
Power	Single 450W, 650W, 750W, 1050W, 1250W, 1500W, 2000W, and 2250W power supply with Bronze, Gold, or Titanium level certification, offering high efficiency of up to 90%, active PFC. Optional redundant power supply with up to 90% efficiency, active PFC.
Hardware Security	Kensington security-cable slot (Optional) Padlock loop (Optional) Chassis intrusion switch (Optional) Trusted Platform Module 2.0 (Optional)
Input devices	CYNiX Wired USB Keyboard Black (English) – US International CYNiX Wired USB Mouse Black Wireless Keyboard and Mouse (Optional)
Environmental	Operating temperature: 5 to 35°C; Operating humidity: 10 to 90% RH

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