

Introducing Intel® Xeon® W Processors

Expert Workstation

350W



Intel® Xeon® W-3400 Processors

Mainstream Workstation

225W



Intel® Xeon® W-2400 Processors

Processor Cores

Up to 56 Cores
Intel® Xeon® W-3400 Processors

Up to 24 cores
Intel® Xeon® W-2400 Processors

Processor

Intel® Turbo Boost Max Technology 3.0
up to 4.8Ghz of CPU frequency

Intel® Smart Cache
up to 105MB

3rd Gen Intel® Deep Learning Boost
AVX-512 support

Advanced Matrix Extensions (AMX)
INT8 and BFloat 16 datatypes

Memory

Memory Support
DDR5 ECC RDIMM
up to 4800Mt/s

Memory Capacity
up to 4TB

Memory Channels
up to 8 channels

Platform

Intel® W790 Chipset

System Expansion
up to 112 CPU PCIe 5.0 lanes

Network Connectivity
integrated Intel® Wi-Fi 6E (Gig+)

Intel vPro® Enterprise Technologies
for Hardware-based Security and System Manageability

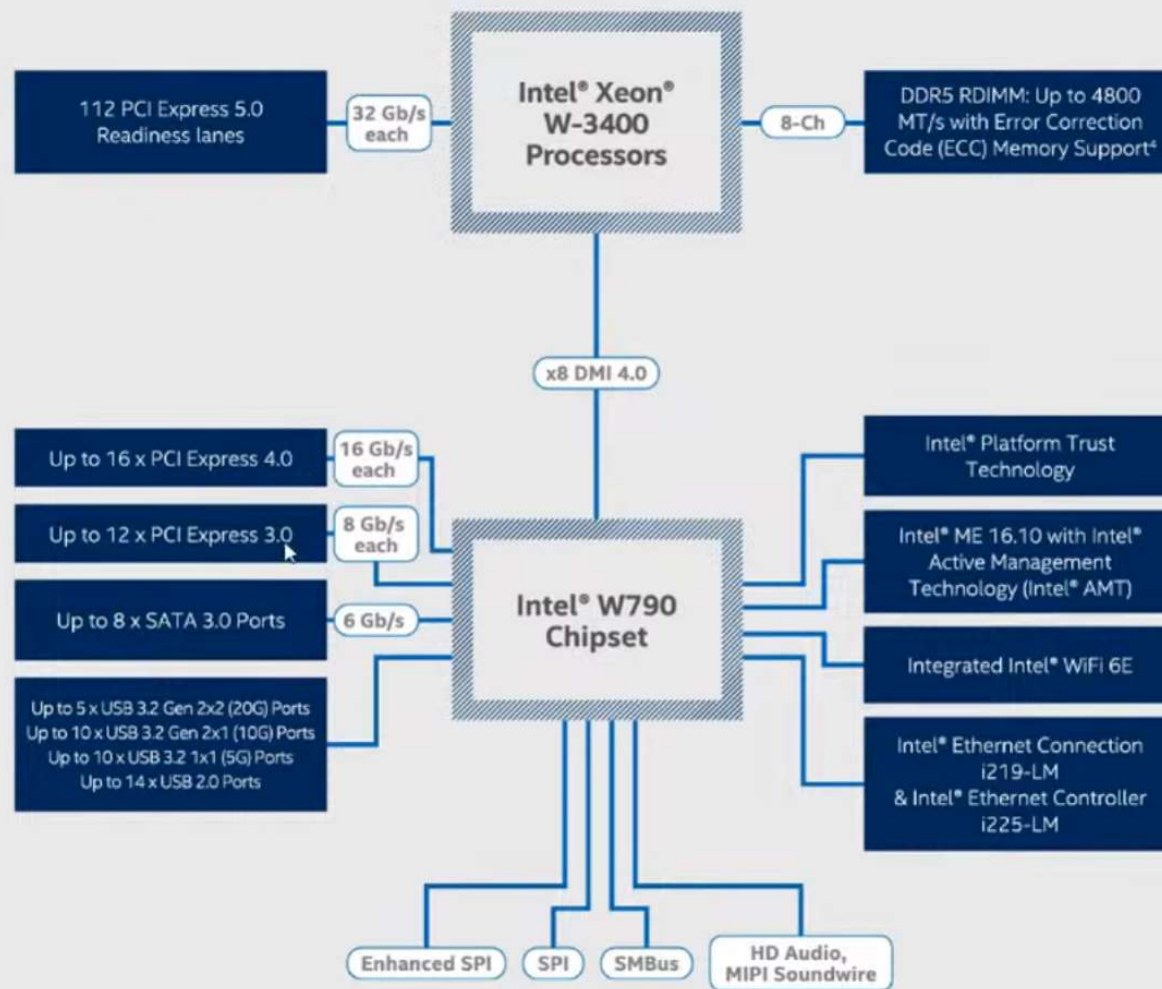
Expansion Connectivity
increased bandwidth to chipset
x8 DMI 4.0

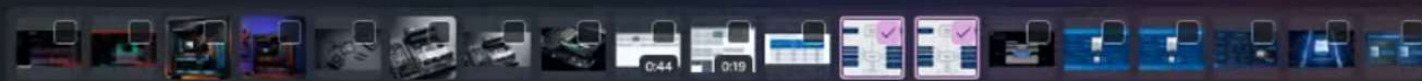
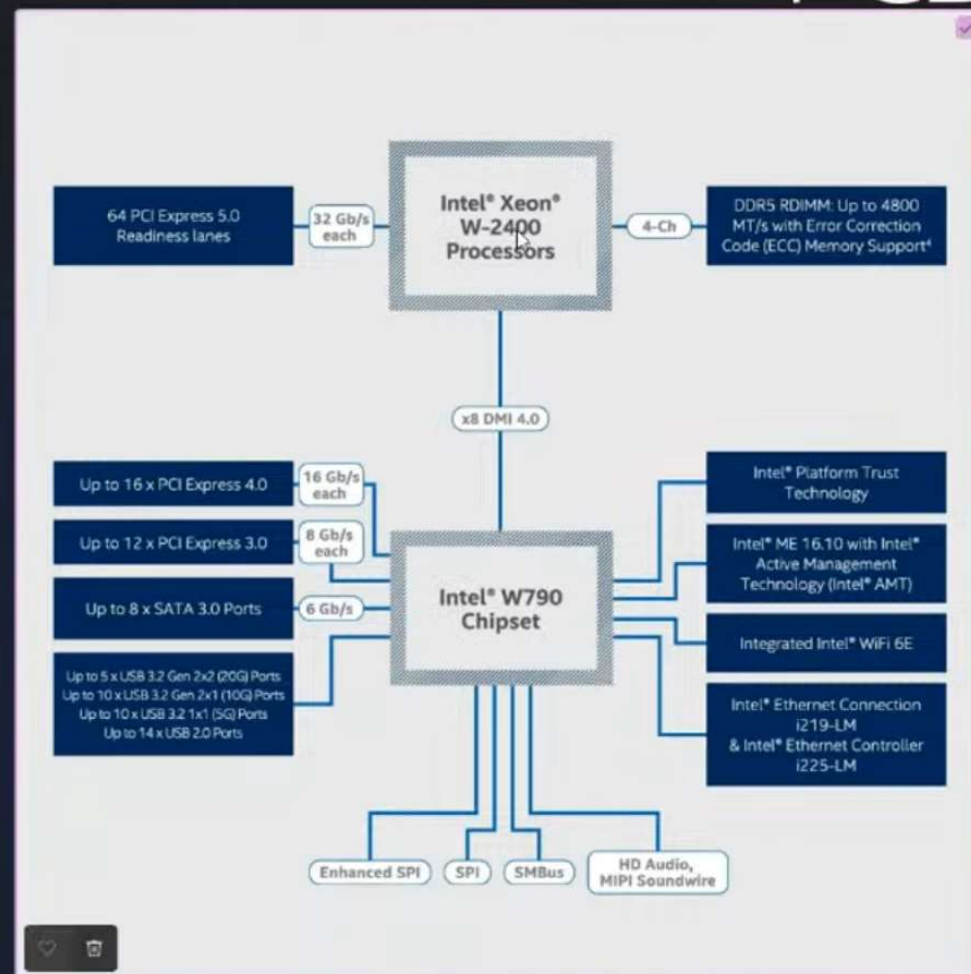
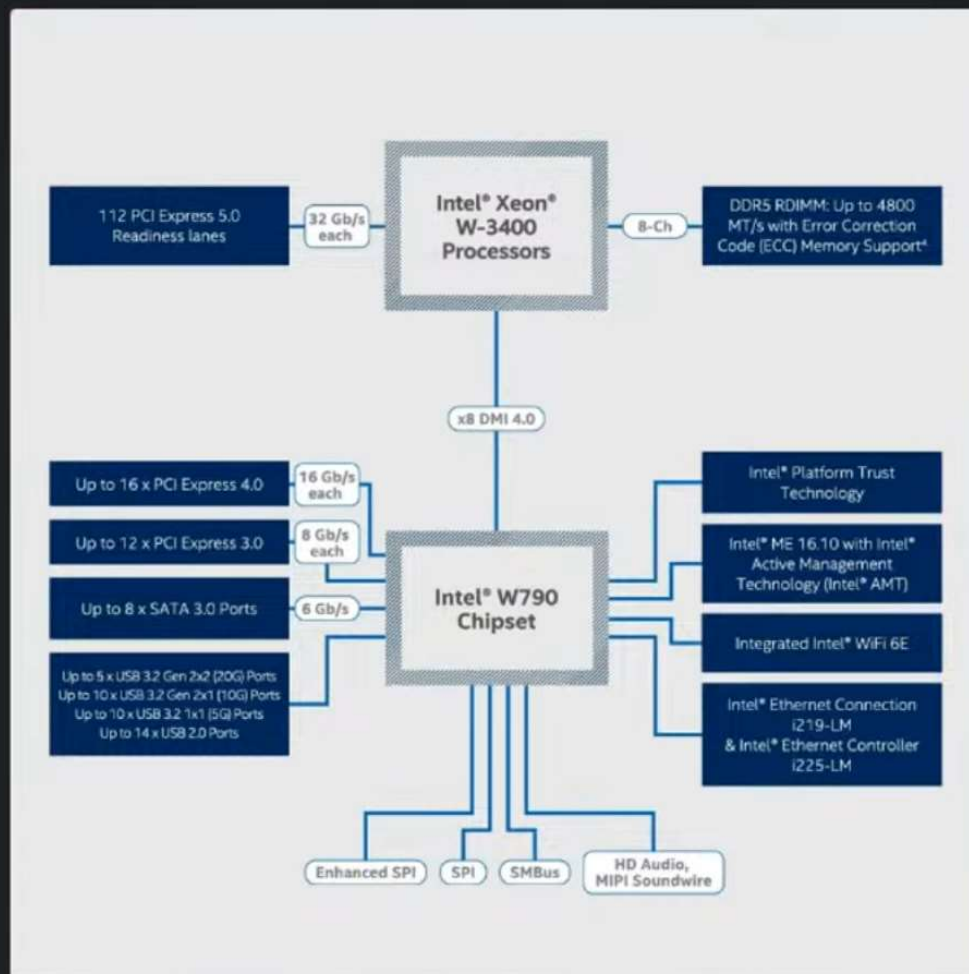


Flexible Pixel Powerhouse

How is EMIB Constructed?



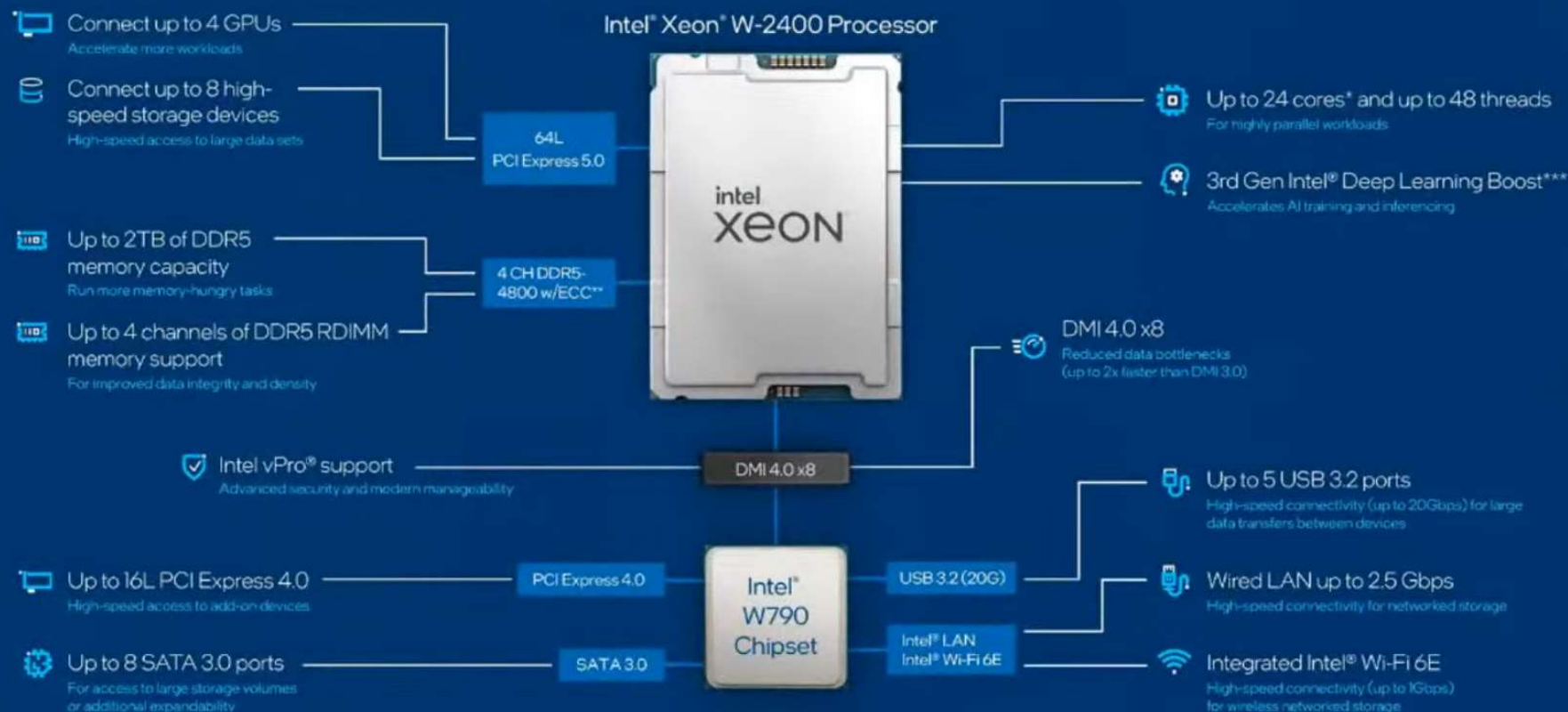




Introducing NEW Intel® Xeon® W Processors

More Cores + More Memory + More I/O = More Productivity

intel



*Golden Cove Performance Cores

**Platinum memory speeds are

maximum memory speed. May

***Consists of Intel® Advanced Vec

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Learn more:

<https://www.intel.com/content/www/us/en/products/processors/xeon/xeon-w.html>

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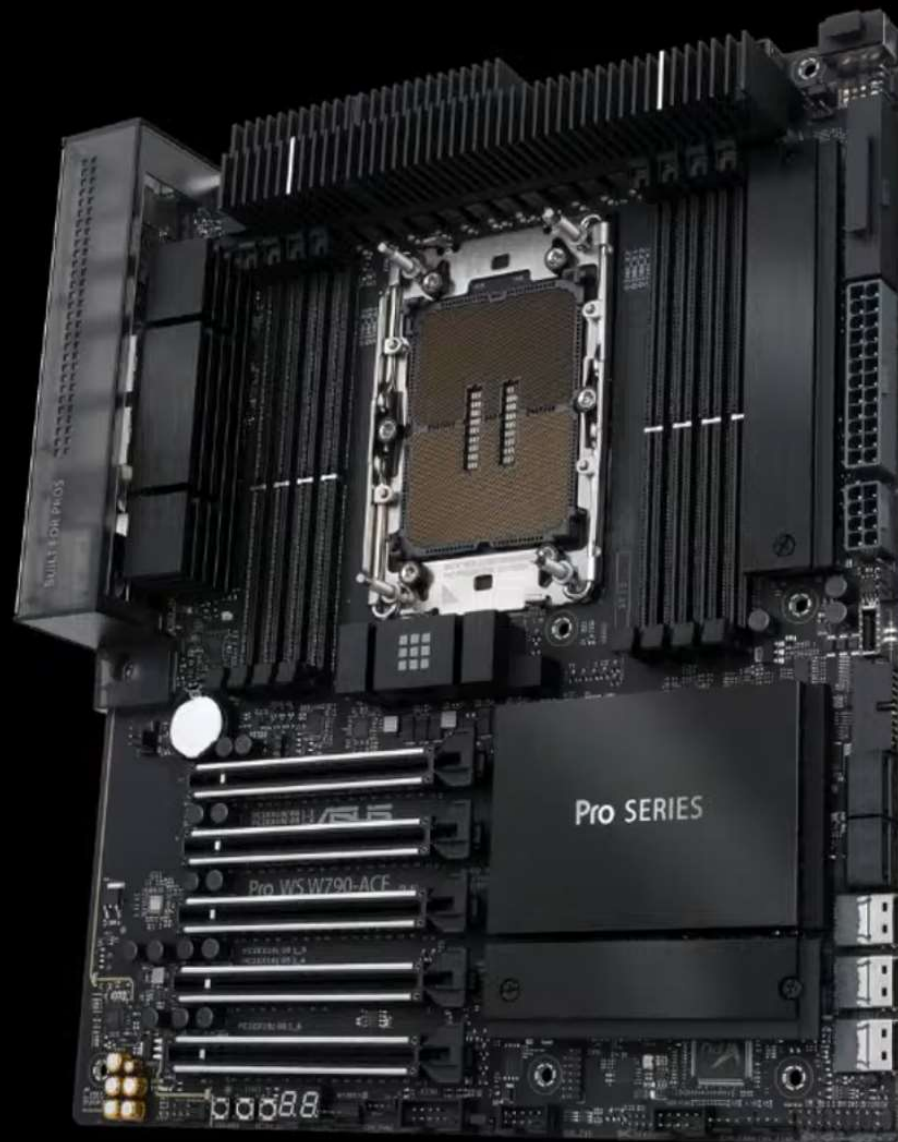
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How Pro Workstation MB positions itself

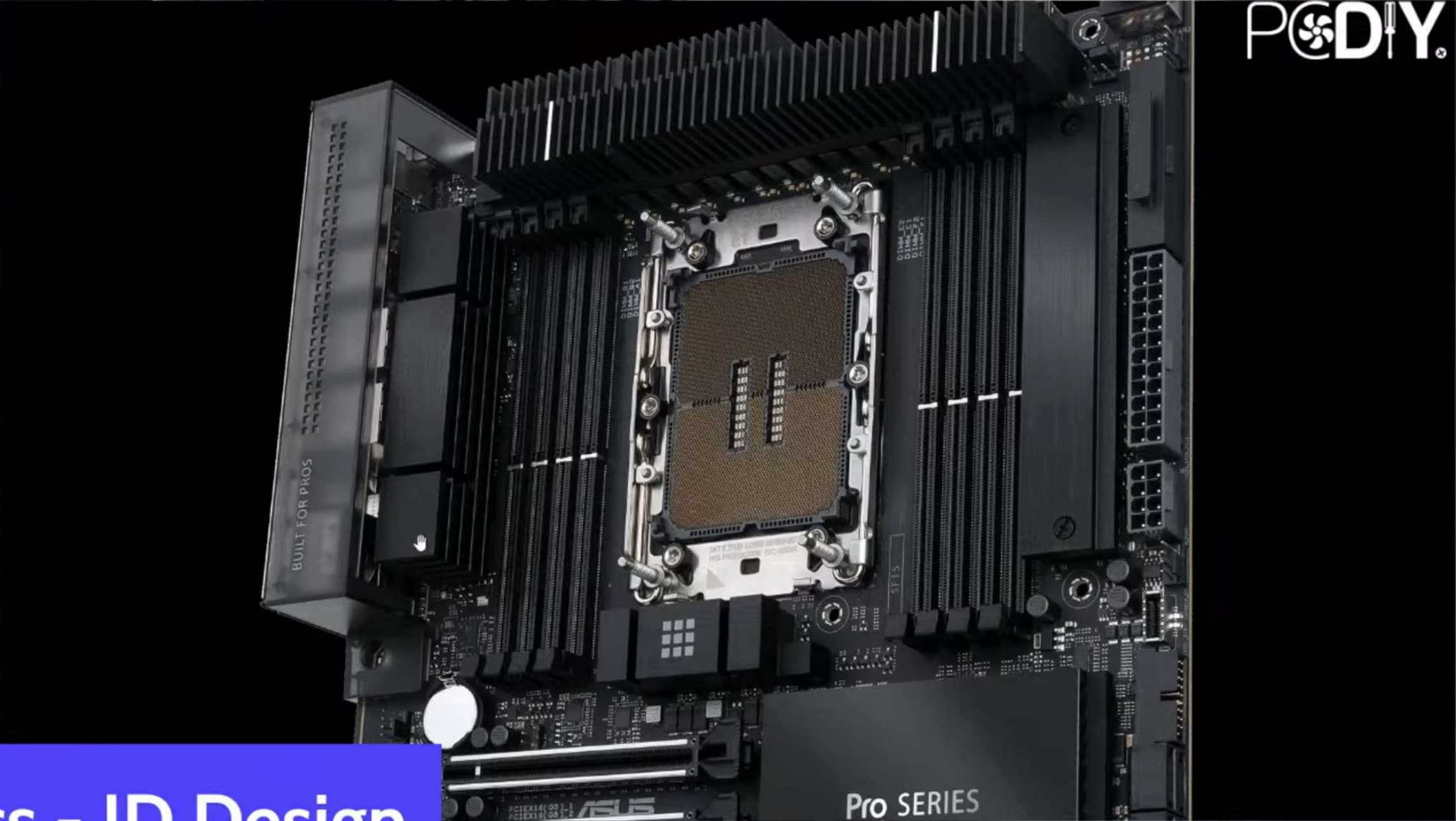


CONFIDENTIAL AND PROPRIETARY INFORMATION

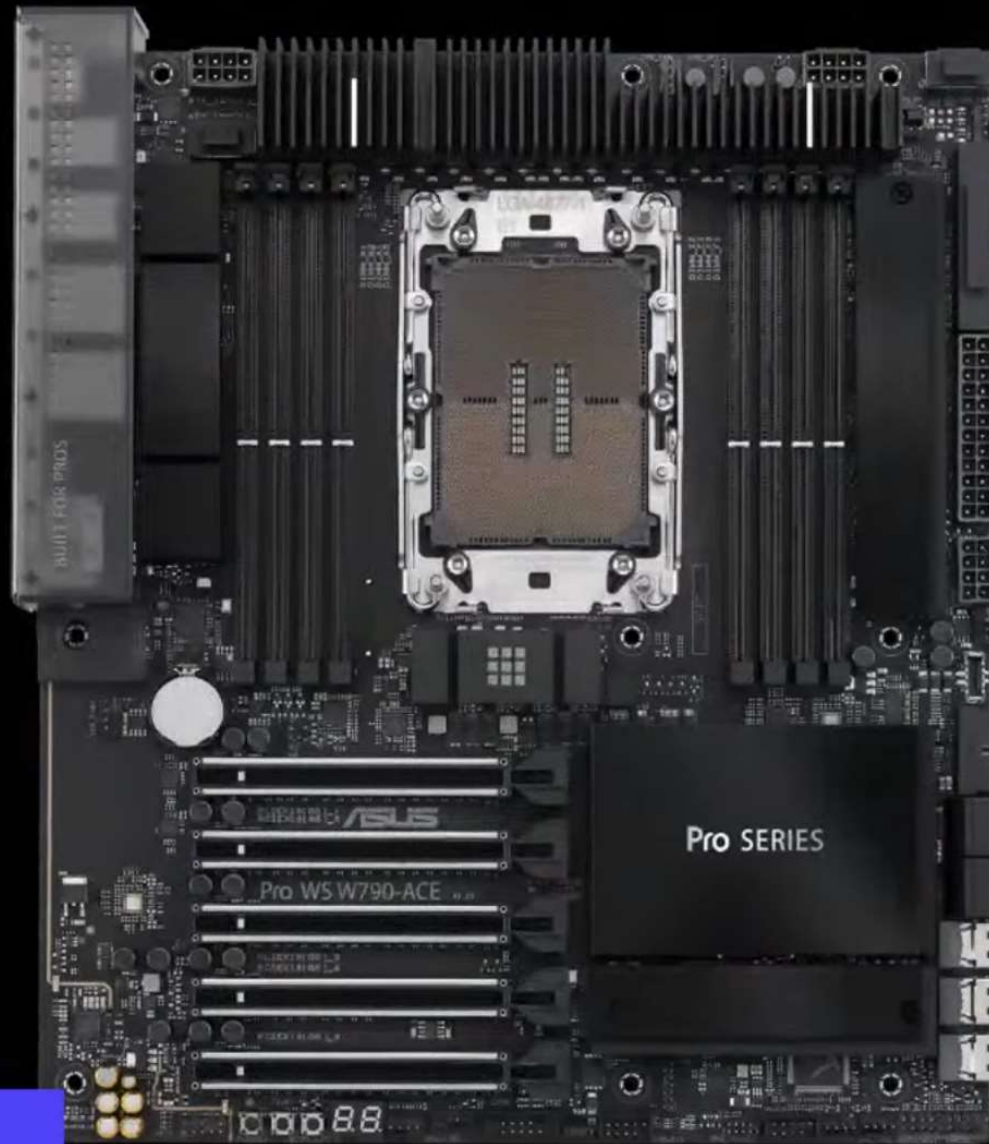
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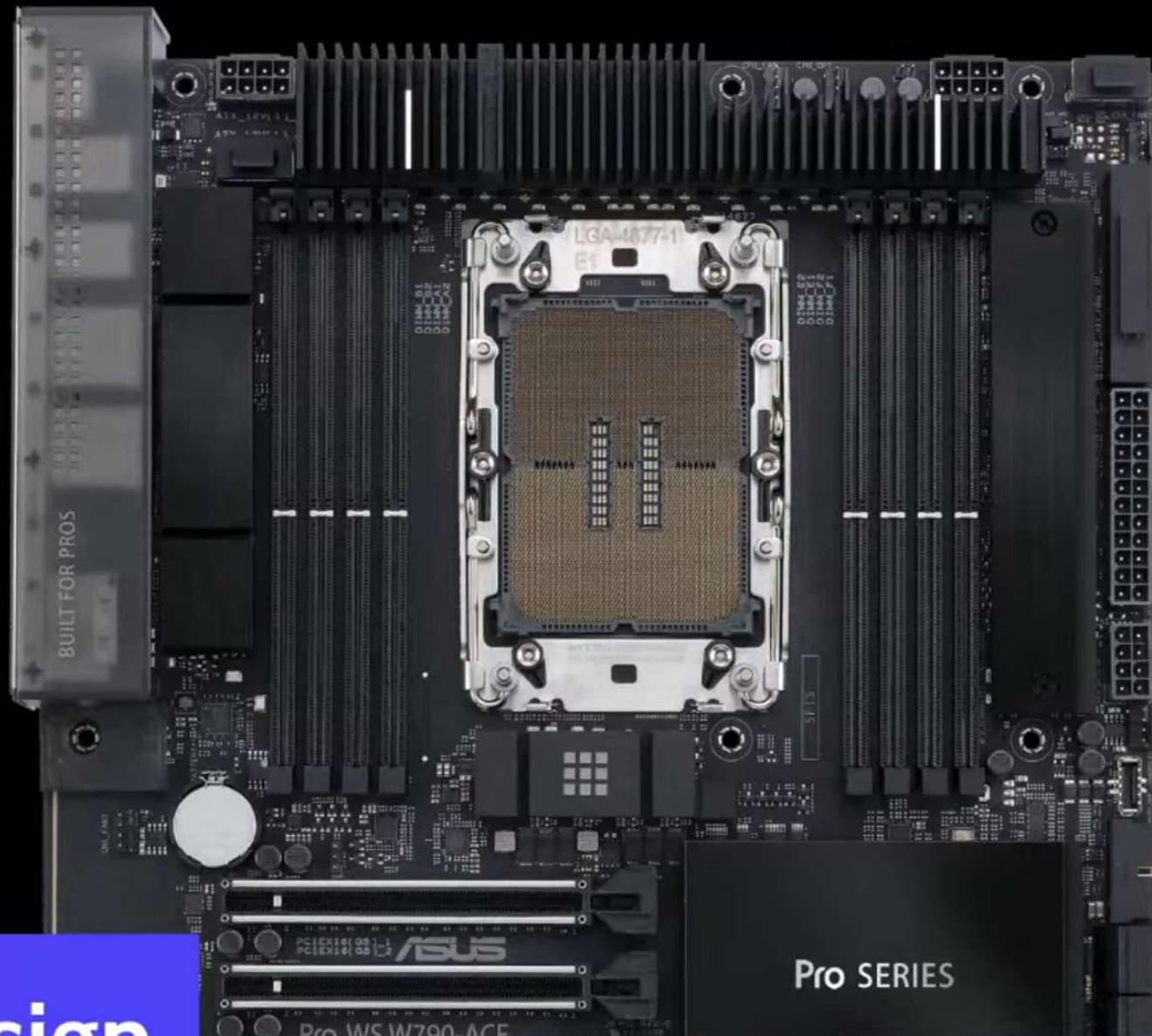


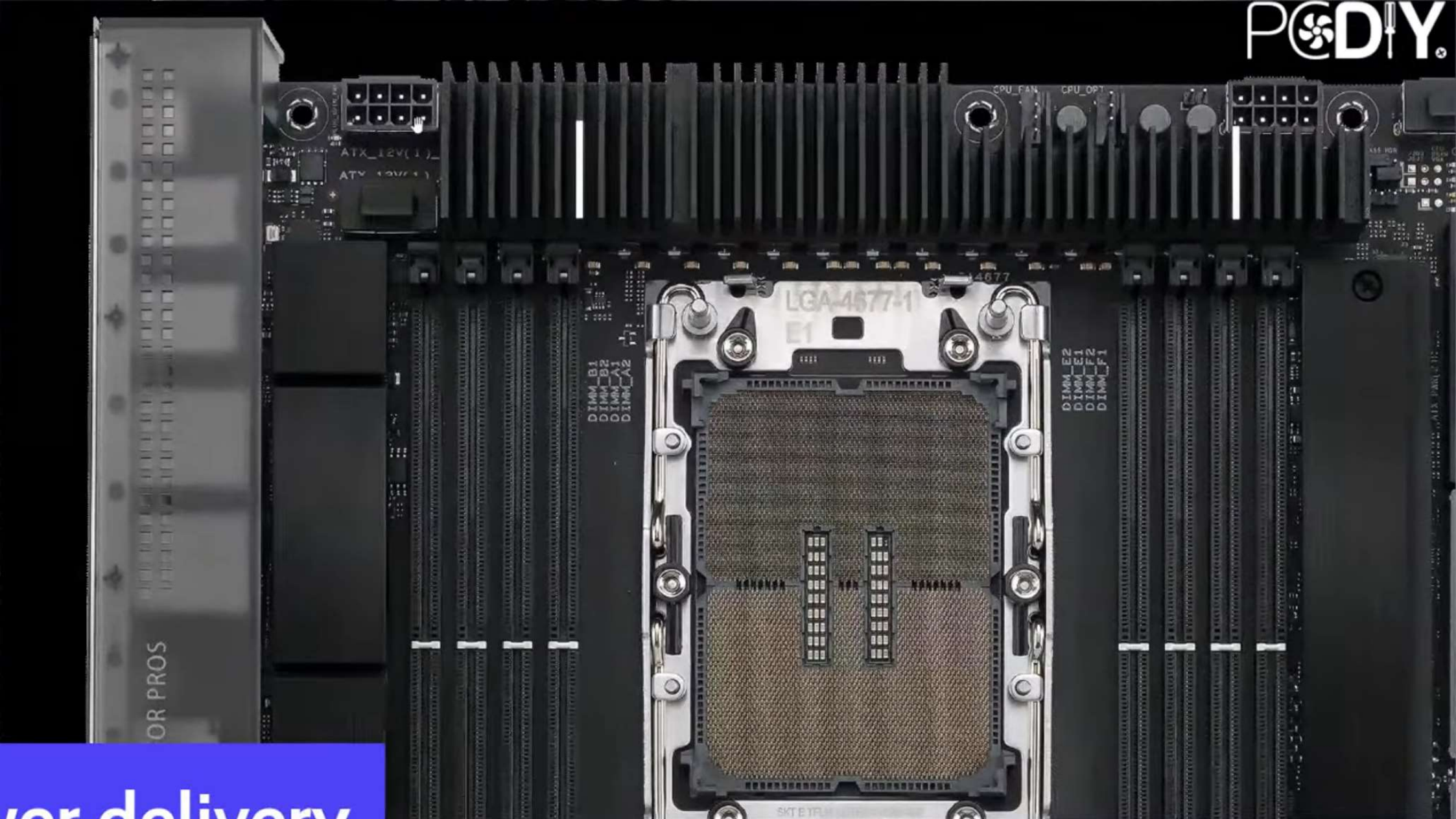
W790-ACF



PC ID Design

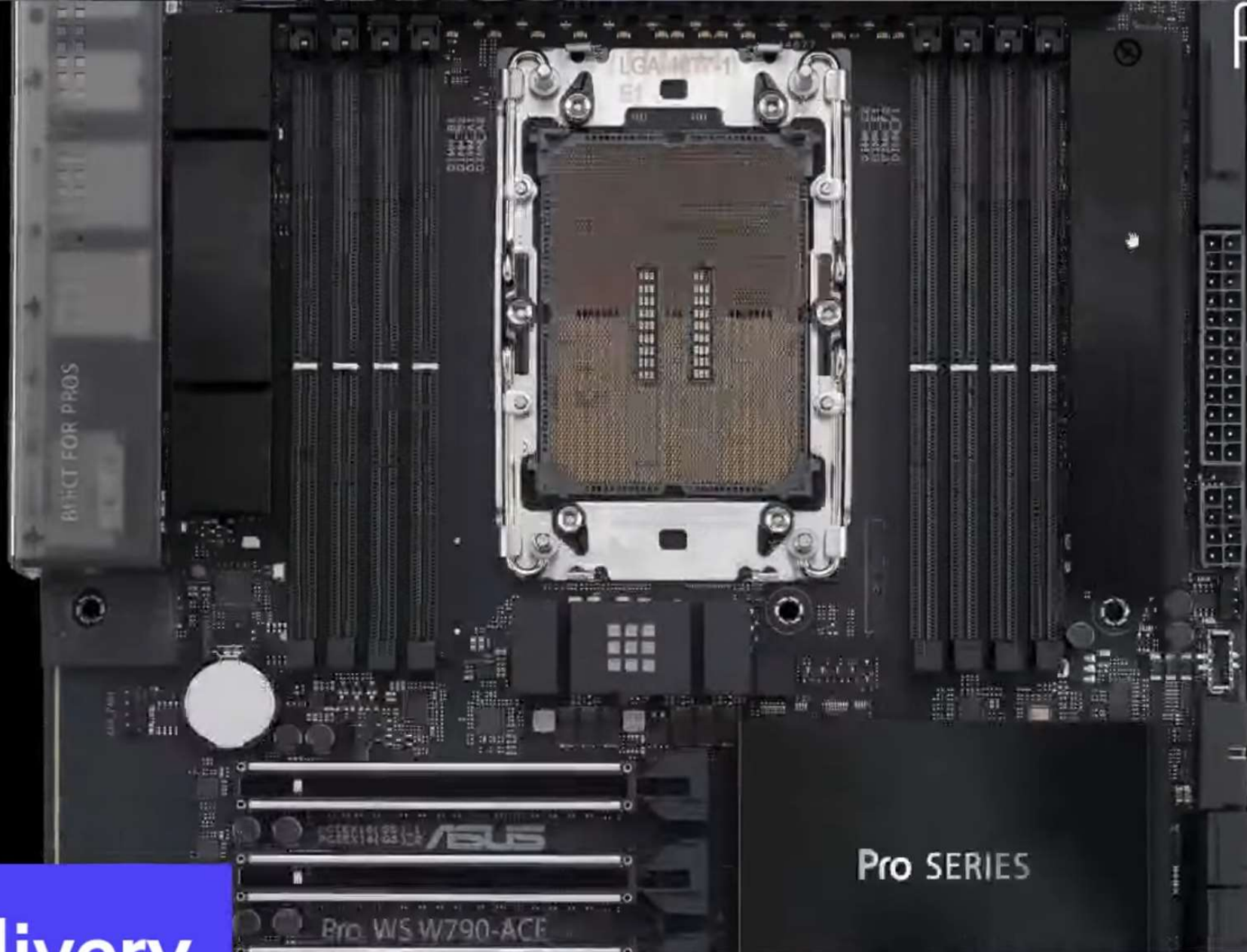


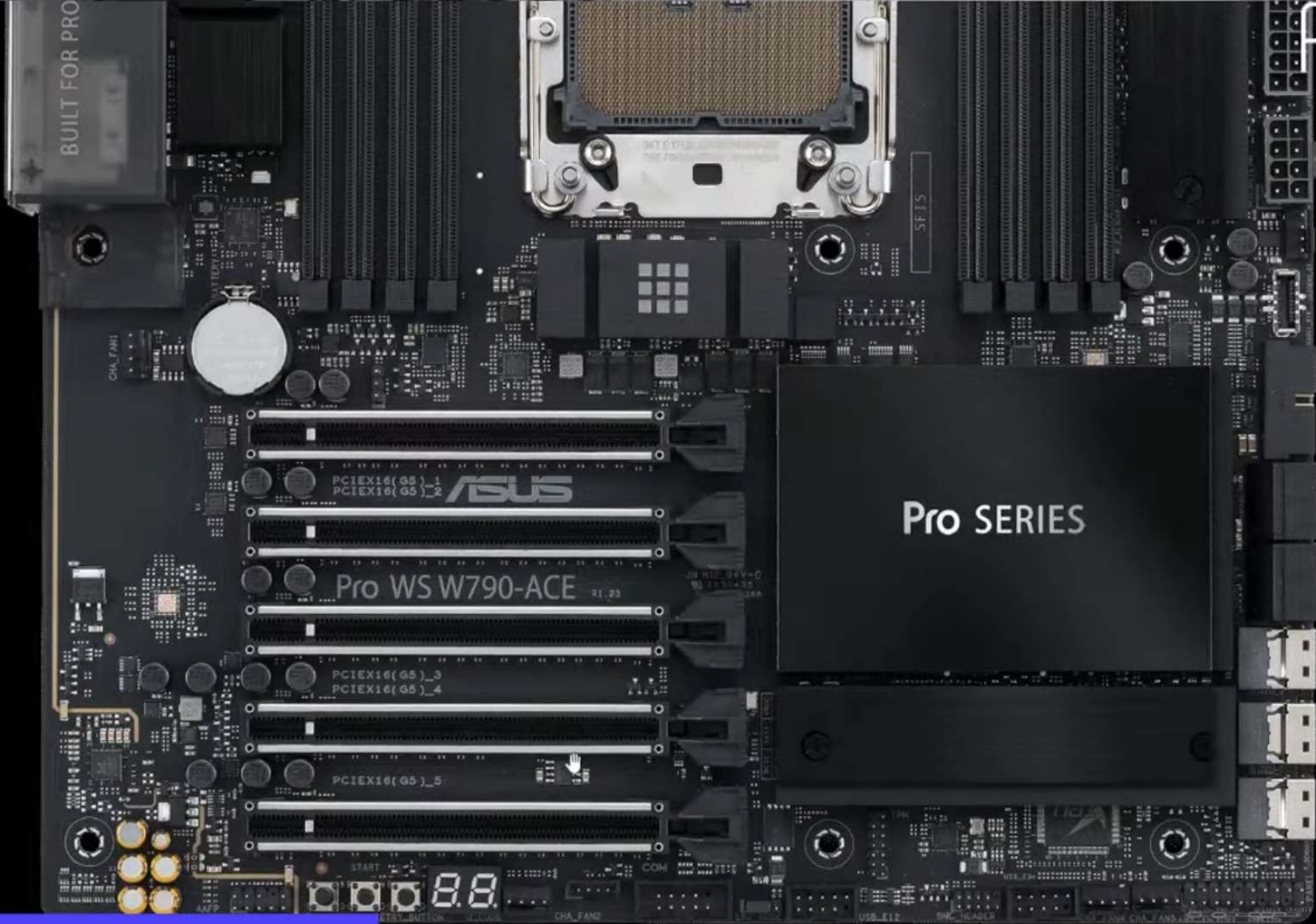




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ancion support

Pro WS W790-ACE

Overview Tech Specs



FUNCTION-FIRST AESTHETICS

Multi-GPU support

The Pro WS W790-ACE features five PCIe 5.0 x16 slots for high-powered graphics cards, enabling enhanced performance for professional design, modeling, simulation and rendering applications.

ansion support

Pro WS W790-ACE

Overview Tech Specs

BIOS Flashback and clear CMOS

8x USB 2.0 Type-A ports

10G + 2.5G Ethernet

4x USB 3.2 Gen 2 Type-C ports

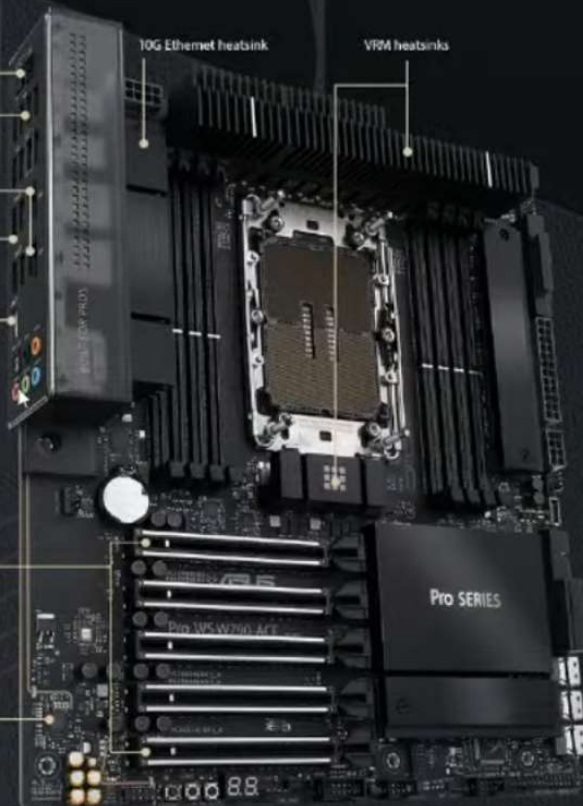
1x USB 3.2 Gen 2x2 Type-C* port

5 x PCIe 5.0 x16 Safeslots

Realtek S1220A 7.1 Surround Sound
High Definition Audio CODEC

10G Ethernet heatsink

VRM heatsinks



Left

Right

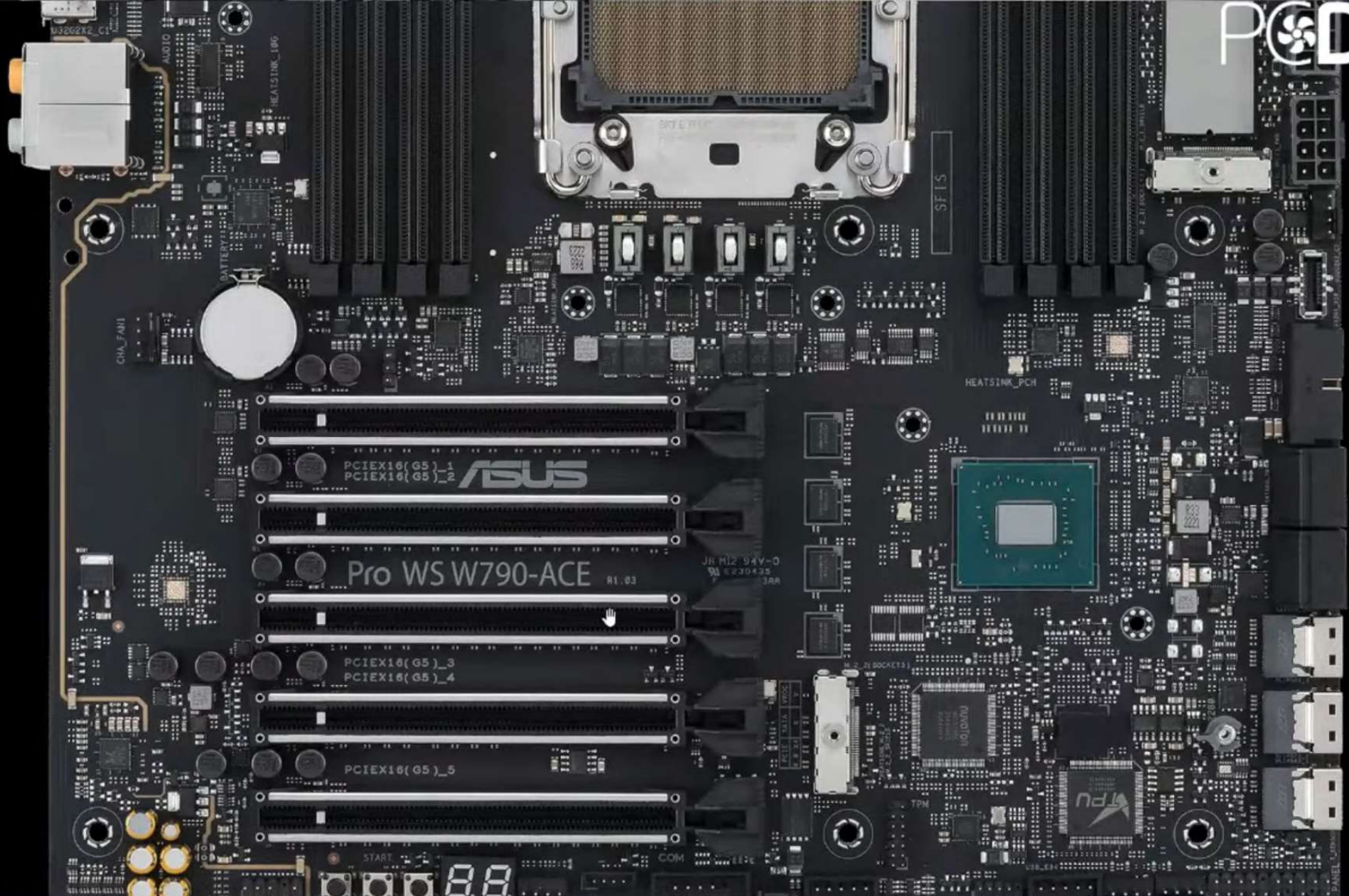
Pro WS W790-ACE

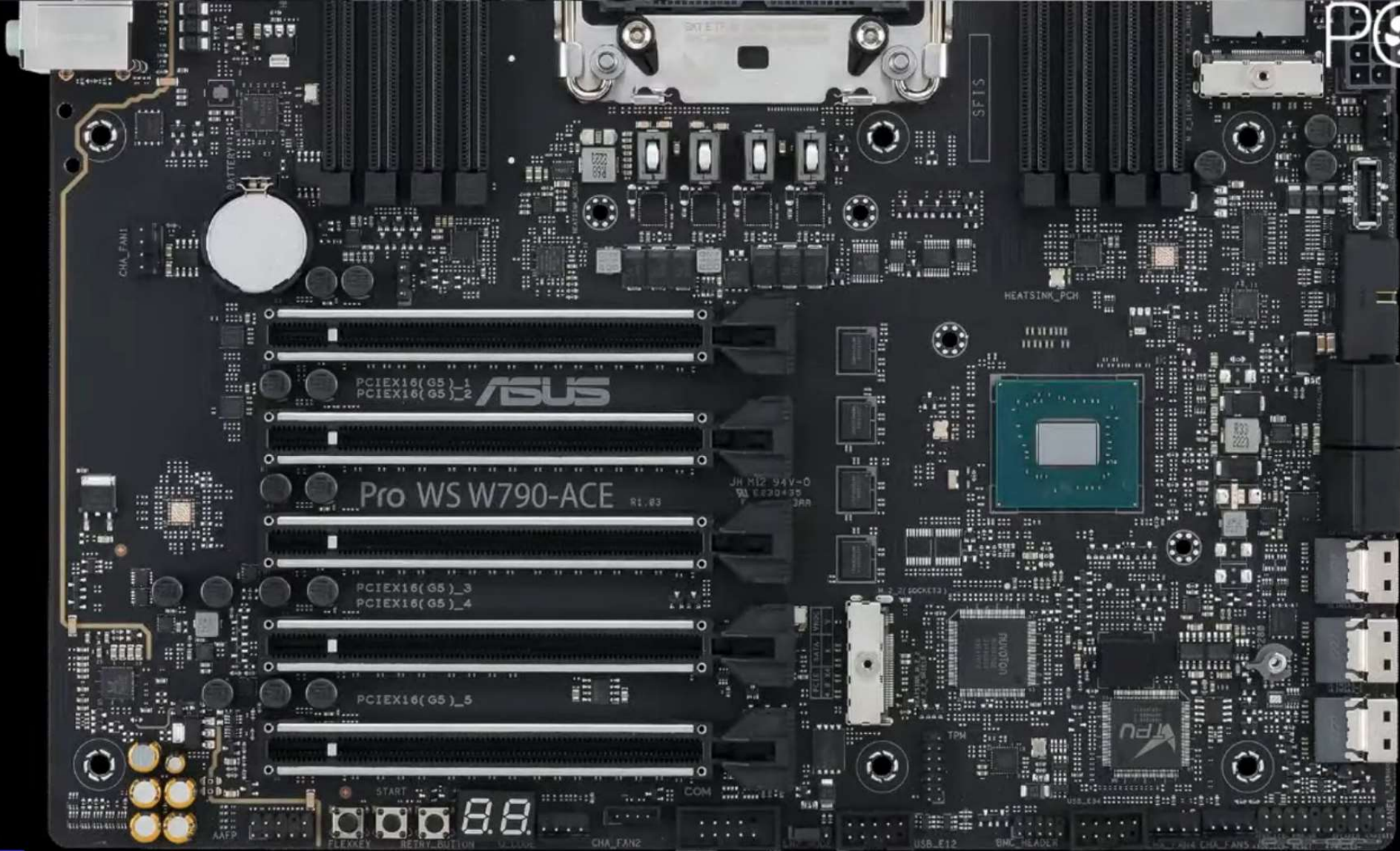
Overview Tech Specs

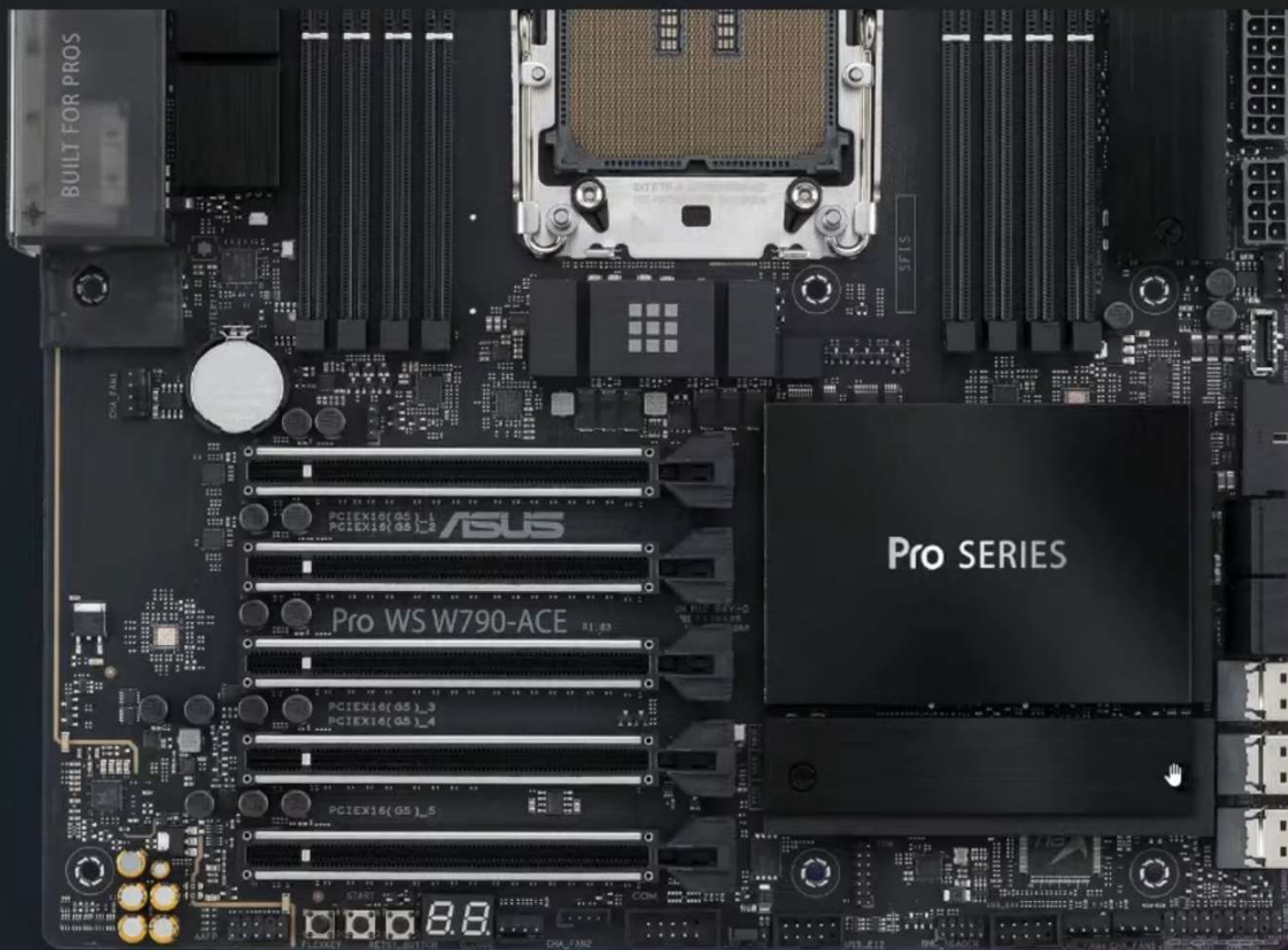
ULTRAFAST CONNECTIVITY TO POWER CREATIVITY



city-10







SATA SlimSAS M.2



ULTRAFAST CONNECTIVITY TO POWER CREATIVITY



Two M.2

The Pro WS W790-ACE features two M.2 slots wired for PCIe 4.0 bandwidth. Creators working with massive video files can assemble multiple NVMe drives in a RAID formation for massive I/O bandwidth and seamless playback in their editing bays. Two of these M.2 slots rest under dedicated heatsinks to prevent SSD throttling under heavy loads, and they feature ASUS Q-Latch for easy drive installation and replacement.

SATA SlimSAS M 2