Tornado F7W

Eurocom definition of Mobile Workstation

Mobile Workstations are designed for long lifespan and high performance computing by the most demanding applications and users. Engineers, CAD/CAM/CAE and 3D designers, architects, animators, graphics professionals, software developers and digital content creators who travel, yet need access to workstation on-the-go computing, are the core beneficiaries of Mobile Workstation technology.

Mobile Workstations are designed for heavy-duty computing so they are built like heavy-duty trucks — portable yet extremely powerful with maximum upgradeability, expandability, and reliability.

Tornado F7W Overview

CPU- upgradeable
Latest Intel® Core™ i7 or Xeon® Processor
GPU-upgradeable
DDR4 Memory, Up to 128GB
ECC (with Xeon)
FHD or UHD
Up to 28TB of storage with 5 physical drives
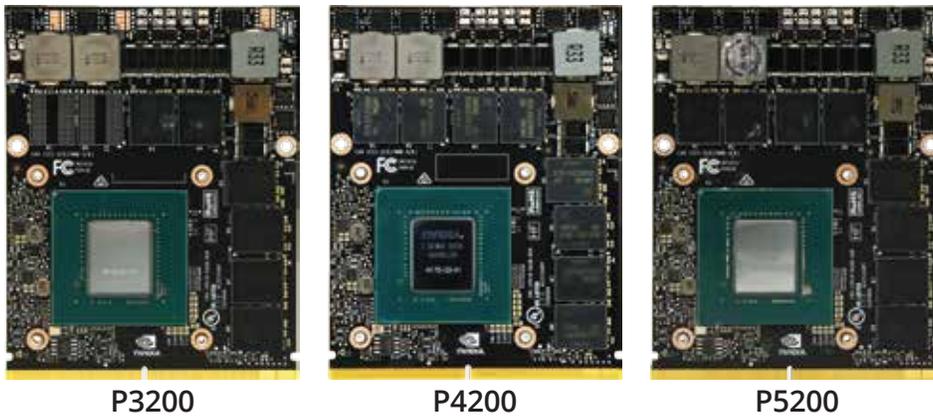Smartcard Reader
TPM 2.0
Thunderbolt 3

Display Technology

The Tornado F7W has a 17.3in display with either a 60Hz Ultra HD resolution or a 120Hz Full HD resolution dispaly. It can support up to 4 active displays using the HDMI port, the Thunderbolt 3 port and the mini display port available.

GPU Technology

| P3200 | P4200 | P5200 |

The Tornado F7W has a MXM3.1 GPU that is fully upgradeable with a modular design, offering your choice of the latest Nvidia® Quadro® GPUs.

CPU Upgradeable

The Tornado F7 W has a socket based CPU that is easily upgradeable. It includes the Intel C246 Chipset that supports Intel® i7/i9 Processors and Intel® Xeon® E series processors.

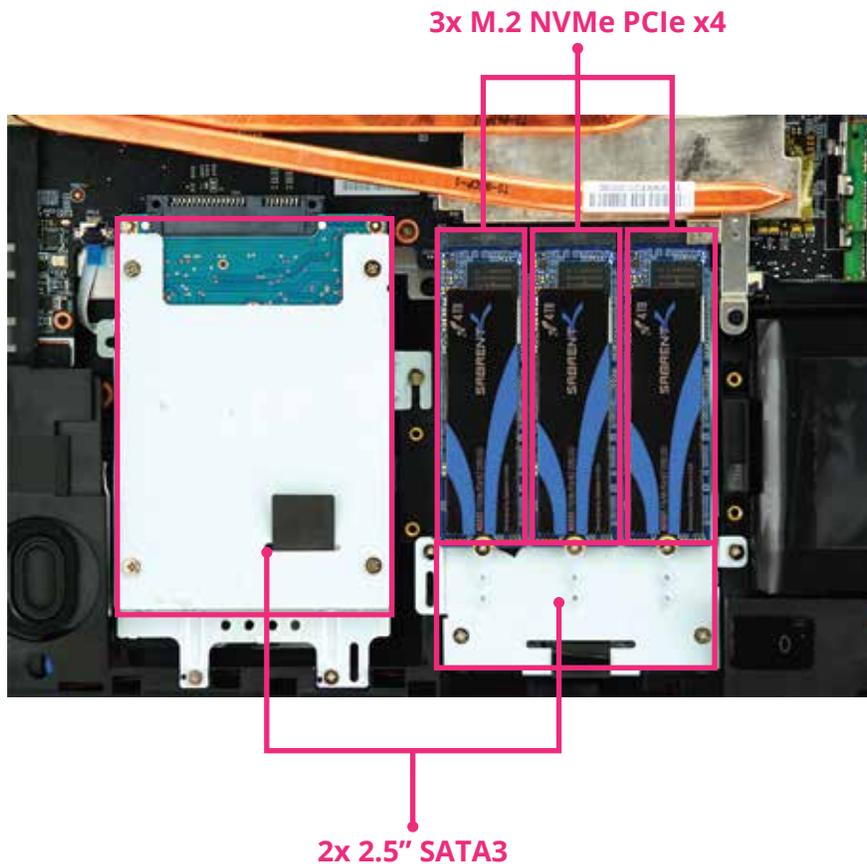**i7-8086K   i7-8700   i7-8700K**
i7-9700K   i9-9900K

E2186G   E2176G

Storage

Supports up to 28TB of storage with 5 physical drives: 3x M.2 NVMe PCIe x4 + 2x 2.5" SATA3). Never Run out of storage.

3x M.2 NVMe PCIe x4

2x 2.5" SATA3

Memory

With four DDR4 Memory slots the Tornado F7W can have up to 128GB of RAM. Eurocom offers both ECC memory for Xeon users or non-ECC memory for i7/i9 users. Computer a bit slow? Adding more RAM can improve your computer's performance so you get more done faster. You can choose bewteen 16GB, 32GB, 64GB and 128GB of RAM.

Network

With the Intel I219-LM, you'll get the best in class wireless connectivity cards, allowing for high speed and excellent range. Additionally, the Tornado F7W has a RJ-45 LAN on-board with a 1Gbps and is fully equiped with a vPro platform that provides better Performance, Security, Manageability and Stability.

Essentials	
Lithography	40 nm
TDP	0.5 W
Networking Specifications	
Port Configuration	Single
Data Rate Per Port	1 Gbps
System Interface Type	Proprietary
Jumbo Frames Supported	Yes
Interfaces Supported	1000Base-T
Package Specifications	
Package Size	6mm x 6mm
Advanced Technologies	
IEEE 1588	Yes
Supported Under Intel® vPro™ Technology	Yes

Wireless

The Tornado F7W includes an M.2 slot for wireless cards. The cards include the Killer Wireless AC-1535 available with Extreme Range Technology and Bluetooth 4.1, the Intel Wireless AC-8265 is available with Bluetooth 4.2 and up to 867 Mbps. The Intel Wireless AC-9260 is available with Bluetooth 5 and 1.73 Gbps.

Security

Eurocom takes security very seriously so we equiped the Tornado F7W with a Smartcard Reader; TPM 2.0 (Trusted Platform Module: a security-related crypto processor that carries out cryptographic operations); a finger print scanner that allows your computer to quickly and easily identify you; and a Kensington lock port, a useful tool to discourage quick grab-and-run thefts. It also comes with a BIOS Disk Encryption and a HDD BIOS Password an encryption will not allow you past the BIOS upon boot up without the correct password. All this to keep your data and hardware as safe as can be.

Security Devices

Smartcard Reader	TPM 2.0	Kensington Lock	Fingerprint Sensor	BIOS Disk Encryption

For added security, you can also remove the webcam, disable/remove the WLAN and even disable/remove the microphone.

Ports

1x Thunderbolt 3.0; 5x USB 3.1; miniDP; HDMI 2.0; Mic in; Headphone S/PDIF out; Line-in; Line out; RJ-45 / LAN

RJ-45/LAN — miniDP — HDMI 2.0 — Thunderbolt 3 — DC-In (AC Adapter Port)

Smartcard Reader — 2x USB 3.1 — 6-in-1 Card Reader — Kensington Lock
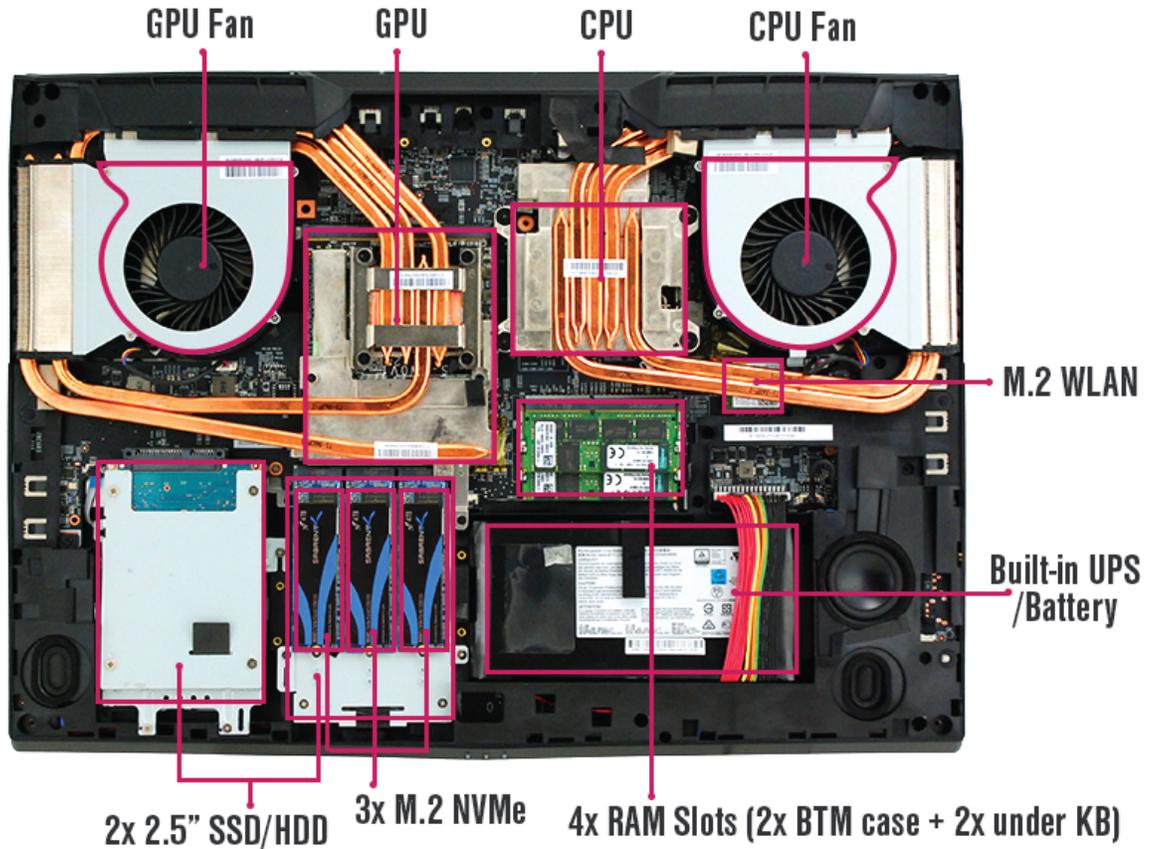
3xUSB 3.1 — Line In — Microphone — Line out — Headphone/ S/PDIF

Components Map

The Tornado F7W includes easy access to components on the motherboard to encourage user upgradeability. Users do not need to send there system to Eurocom to upgrade their compinents, instead they can do it themselves.

- GPU Fan
- GPU
- CPU
- CPU Fan
- M.2 WLAN
- Built-in UPS /Battery
- 2x 2.5" SSD/HDD
- 3x M.2 NVMe
- 4x RAM Slots (2x BTM case + 2x under KB)

Power

AC-Adapter

330W
8x4x2in
2.75lbs

Battery

8cells Smart Li-Ion
6250mAh
90Wh