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

**GPU Technology**

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.

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.
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 between 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 equipped with a vPro platform that provides better Performance, Security, Manageability and Stability.

<table>
<thead>
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<th>Essentials</th>
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<tr>
<td>Lithography</td>
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<td>TDP</td>
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<td>Networking Specifications</td>
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<td>Port Configuration</td>
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<td>Data Rate Per Port</td>
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<td>Supported Under Intel® vPro™ Technology</td>
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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 equipped 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
The Tornado F7W includes easy access to components on the motherboard to encourage user upgradeability. Users do not need to send their system to Eurocom to upgrade their components, instead they can do it themselves.