

# 2U 19" TIGER IV System

Customizable 2U 19-inch rack server with and Intel® Core™ i7 (10th/9th Gen.) CPU

**BRESSNER**  
A ONE STOP SYSTEMS COMPANY

## Features

- Intel® Core™ i7-10700K CPU or
- Intel® Core™ i7-9700K CPU
- 16GB DDR4 2.666MHz, up to max. 128GB
- Intel® Q470E Express chipset
- 4x PCIe + 3x M.2 expansion slots
- Dimensions: 457 x 430 x 88.1mm



## 2U 19" TIGER IV rack server with passive backplane or industrial mainboard

Discover the powerful 2U 19" Tiger IV Industrial PC by BRESSNER. This rack server is the optimal solution for high availability and flexible expandability in a space-saving 2U chassis. Additionally, it features a 24/7 hard drive, up to four free PCIe slots, and can be equipped with either a passive backplane or an AAeon MAX-Q470A Micro-ATX Industrial Mainboard with Core i7 CPU.

The single-board computer enables convenient remote maintenance with features like Intel's AMT 9.0, providing robust protection against IT security risks. Moreover, the 2U 19" TIGER IV is ideal for industrial applications and serves as a reliable server or appliance in the rack of smaller enterprises.

Designed for continuous operation and remote maintenance-friendly This rackmount computer is consistently designed for above-average availability and robustness. Two generously sized fans, including filters, are located behind a lockable front flap, simplifying maintenance. The 512GB SSDs are specifically designed for 24/7 continuous operation and are housed in a removable frame, allowing for easy replacement. Depending on requirements, other hard drives or up to four Solid-State Drives can be used. Thanks to AMT 9.0, the IPC can be easily configured and managed via remote maintenance. The hardware monitor allows monitoring of operating temperature, voltage, and fans, which can be queried via remote access.

The system is delivered fully configured and undergoes intensive testing for 24 hours before shipment. The operating system is also pre-installed. Various equipment options are available for individual requirements, including backplane, mainboard, CPU card, or power supply – allowing for a customized configuration of the IPC according to your preferences.

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Specifications	2HE 19" TIGER IV System
<b>SYSTEM</b>	
CPU	Intel® Core™ 10th Gen. (Comet Lake-S) i7-10700K or i7-9700K
Chipset	Intel® Q470E Express or FUJITSU mainboard D3646-S slot CPU
Mainboard	AAEON MAX-Q470A Micro ATX
RAM	16GB DDR4 2.666MHz SO-DIMM, up to max. 128GB
Storage	2x Samsung 860 PRO 512 GB SSDs 1x 3.5" HDD, 1x 5.25" trays 6x SATA III 600 ports (up to 6Gbit/s)
Expansion	1x PCIe x16 Gen3 (16-lanes) slot 1x PCIe x16 Gen3 (8-lanes) slot 1x PCIe x4 Gen3 slot 1x PCIe x4 Gen3 (2-lanes) slot 1x M.2 2230 E-key (PCIe/CNV) slot 1x M.2 2280/2242 M-key (PCIe x4) slot 1x M.2 3042/3052/2242 B-key (PCIe/USB/SATA) slot 1x Micro SIM slot
Operating System	Windows 10 IoT Enterprise LTSC – 64-bit (included)
<b>INTERFACE</b>	
Ethernet	2x Gigabit Ethernet ports (Intel® i219LM & i211AT)
USB	2x USB 3.1 Gen2 2x USB 3.1 Gen1 4x USB 2.0
COM	1x RS-232/422/485 1x RS-232
Video	2x DisplayPorts V1.2 1x DVI-D
Other	1x PS/2 mouse and keyboard 1x DVD-ROM drive
<b>ENVIRONMENTAL</b>	
Chassis	2U 19-inch rackmount
Cooling	1x 80mm front fan (with filter)
Power Adapter	550W industrial power supply
Remote Control & LED	Front panel power On/Off, system reset Front panel connectors 2x USB 3.0 Front panel display power status LED LED indicators: LAN activity, HDD activity, power status
Operating Temperature	0°C ~ 50°C
Dimensions	457 (W) x 430 (D) x 88.1 (H) mm
Weight	approx. 10kg
Certifications	CE