

# 4U 19" TIGER Gen12/13/14 Series

Customizable industrial 4U 19-inch servers with Intel® Core™ 14th/13th/12th Gen. CPU

CUSTOMIZABLE

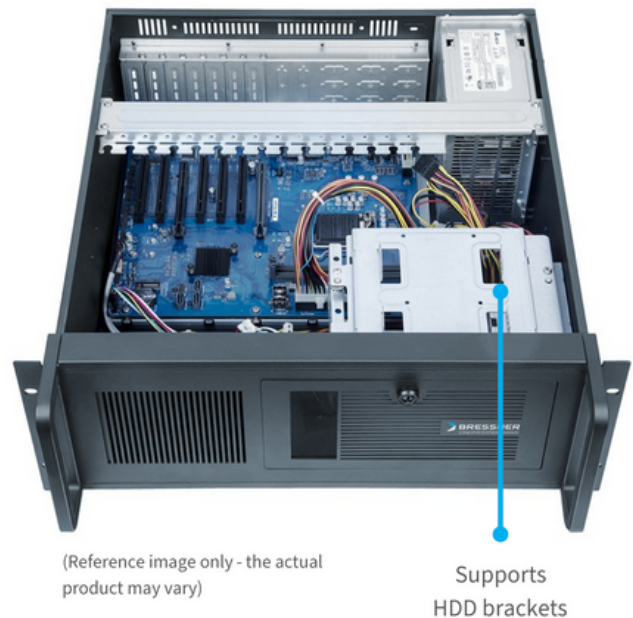
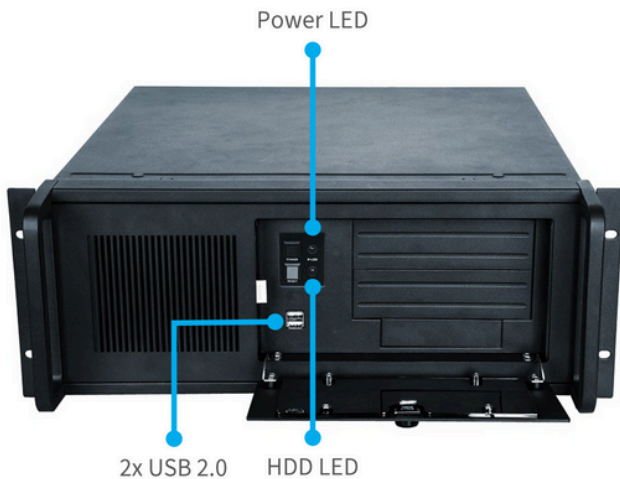
## Features

- Intel® Core™ 14th/13th/12th Gen. i9 / i7 / i5 / i3 processors
- Up to 128GB DDR5 4,800MHz memory
- Expandable via PCIe Gen5, Gen4 and Gen3 slots
- Intel® Q670E chipset
- Dimensions (W x D x H):  
430.2 x 457.2 x 175.7mm (w/o handle)  
482.6 x 507.3 x 177mm (with handle)



## 4U 19" TIGER Gen12/13/14 Series – Maximum performance for 24/7 operation

The 4U 19" TIGER Gen12/13/14 series consists of powerful and reliable 19-inch servers specifically designed for use in industrial environments. The devices feature the industrial Q670EA-IM-A motherboard, which provides a modern platform for demanding applications. The industrial PCs are equipped with Intel® Core™ 14th / 13th / 12th Gen. processors, which, together with up to 128GB DDR5 memory, offer an impressive computing performance. The 19-inch enclosures are made of sturdy steel sheet and are equipped with various expansion slots and ports, including Gigabit Ethernet, USB 3.2, VGA, HDMI, and DisplayPorts. Additionally, the server has room for up to three 3.5-inch hard drives, as well as a variety of PCIe / PCI slots. The 4U 19" TIGER Gen13 series is designed for 24/7 operation and is ideal for use in demanding applications such as machine control systems, monitoring systems, data acquisition and processing, and other industrial applications for server racks.



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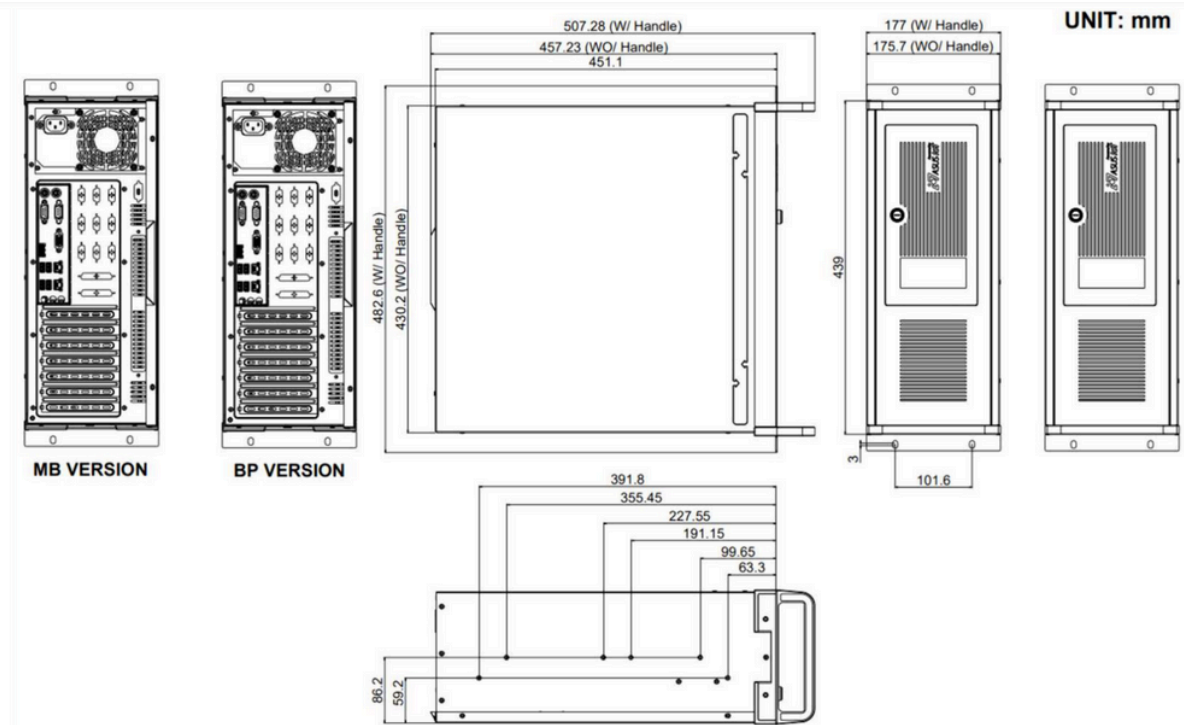
Specifications	Entry Line	Basic Line	Pro Line	Ultra Line
<b>SYSTEM</b>				
CPU	Intel® Core™ i3-13100 or Intel® Core™ i3-12100	Intel® Core™ i5-13500 or Intel® Core™ i5-12500	Intel® Core™ i7-13700 or Intel® Core™ i7-12700	Intel® Core™ i9-13900 or Intel® Core™ i9-12900
Chipset	Intel® Q670E			
Mainboard	ASUS Q670EA-IM-A			
RAM	8GB DDR5 4800MHz max. 128GB	16GB DDR5 4800MHz max. 128GB	32GB DDR5 4800MHz max. 128GB	64GB DDR5 4800MHz max. 128GB
Storage	6x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 3.5" HDD + 1x 3.5" Slim HDD (19mm) trays Incl. 1x 500GB M.2 SSD	6x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 3.5" HDD + 1x 3.5" Slim HDD (19mm) trays Incl. 1x 1TB M.2 SSD	6x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 3.5" HDD + 1x 3.5" Slim HDD (19mm) trays Incl. 1x 1TB M.2 SSD	6x SATA Gen 3.0, up to 6GB/s, supports RAID 0,1,5,10 2x 3.5" HDD + 1x 3.5" Slim HDD (19mm) trays Incl. 1x 2TB M.2 SSD
TPM	SPI TPM header			
Expansion	1x PCIe 5.0 x16 slot (1x x16 mode / 2x x8 mode) 2x PCIe 4.0 x4 slot (x4 mode) 1x PCIe 5.0 x8 slot (x8 mode) 1x PCIe 3.0 x4 slot (x4 mode) 2x PCI slots 1x M.2 M-Key, Typ 2242 / 2260 / 2280 (PCIe x4 / SATA-mode) supports NVMe			
Operating System	Windows® 11 / 10 (64-bit) / 10 IoT Enterprise, Linux: Ubuntu / RedHat Enterprise / Fedora Workstation / OpenSUSE			
<b>INTERFACE</b>				
Ethernet	2x 10/100/1000/2500 Mbps RJ-45 port (Intel® i210AT) 1x 10/100/1000/2500 Mbps RJ-45 port (Intel® i225LM, with Intel® vPro support)			
USB	6x USB 3.2 Gen2 ports (5x Type A, 1x Type C) 2x USB 2.0 Ports (front)			
COM	4x RS-232 (internal) 1x RS-232/422/485 (internal) 1x RS-232/422/485 (rear I/O)			
Video	1x HDMI 1x VGA 2x Display Port			
Audio	1x Line-Out, 1x Line-In, 1x Mic in			
<b>ENVIRONMENTAL</b>				
Chassis	4U 19-inch rackmount 1.2mm SGCC & SPCC steel sheet			
Cooling	1x 12025 fan			
Power Supply	500W or 850W ATX power supply			
Remote Control & LED	Power LED, Reset LED			
Operating Temperature	0° ~ 40°C			
Storage Temperature	-15° ~ 60°C			
Humidity	10 ~ 95% @ 40°C, non-condensing			
Dimensions	430.2 x 457.2 x 175.7mm (w/o handle) 482.6 x 507.3 x 177mm (with handle)			
Certifications	CE			

\*All TIGER Gen12/13/14 series systems can be customized to meet your needs, if necessary.

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## Drawing



## Rear I/O

