

LPC-1800-G

Slim tower type computer

Intel 12th/13th Gen. Processors

High-performance processor, diverse I/O interfaces, and industrial-grade design



Technology for a better life

Features

- Intel®Q670 Processor with Alder Lake-S / Raptor Lake-S platform
- High-performance graphics with CPU embedded type
- Rich variety of interfaces to expand your peripherals freely
- A GPU board can be installed 4 expansion slots

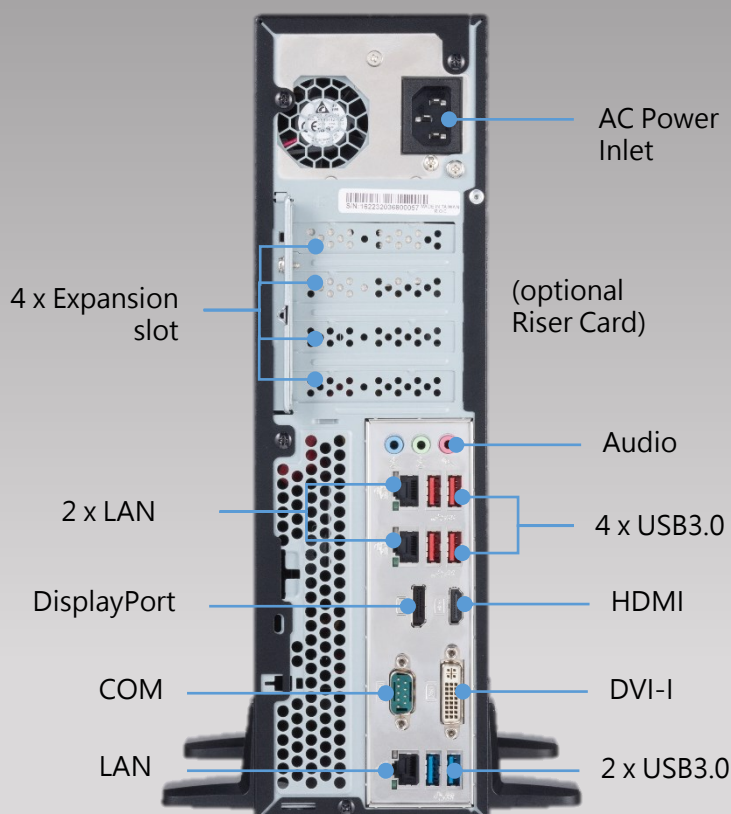


<https://www.contec.com/>

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BTO Module



Application

Industrial Automation and Control Systems

Monitoring systems capable of connecting to sensors, PLCs, and other equipment.

Machine Vision and Image Processing

Supports triple-screen output for defect detection and quality control.

Embedded Systems and Information Terminals

Suitable for embedded applications such as kiosks, POS systems, and digital signage.

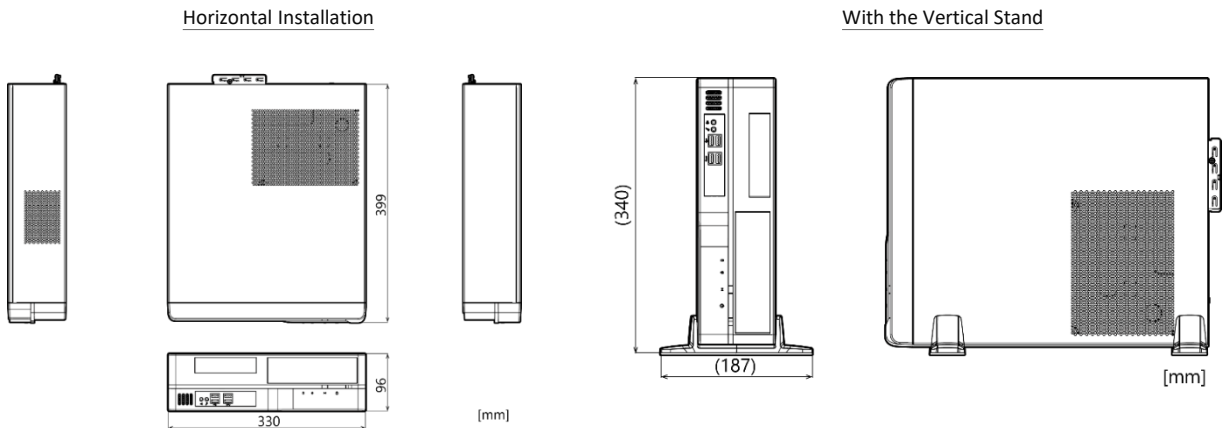
Networking and Edge Computing

Can function as an edge computing device for real-time data analysis and transmission.

Servers and Data Storage.

Equipped with PCIe expansion slots and SATA/NVMe storage options, making it suitable for small-scale server storage applications.

■ Dimensions



Specifications	
CPU	Intel® Celeron® Processor G6900TE 2.4GHz Intel® Core™ i3-13100TE Processor 4.1GHz Intel® Core™ i5-13500TE Processor 4.5GHz Intel® Core™ i7-13700TE Processor 4.8GHz
CHIPSET	Intel® Q670 PCH
BIOS	AMI UEFI BIOS
MEMORY	4 x DDR5 4800MHz U-DIMM socket, up to 128GB (Non-ECC)
GRAPHIC CONTROLLER	Intel® UHD graphic 710 / 730 / 770 (By CPU type)
DISPLAY INTERFACE	1x HDMI (3840 x 2160 @60Hz Max.) 1x DisplayPort (3840 x 2160 @60Hz Max.) 1x DVI-I (2048 x 1152 @60Hz Max.)
SATA INTERFACE	2x SATA 3.0 (6.0 Gb/s) port 1x M.2 Key M 2280 (Support NVMe/ SSD/ HDD)
ETHERNET	3x RJ45 connector on rear I/O : - 1x 10/100/1000 BASE-T(Intel i219-LM) - 2x 10/100/1000/2500 BASE-T(Intel i225-V)
USB PORT	6x USB3.2 Gen2 port (rear I/O) 2x USB3.2 Gen1 port (front I/O) 2x USB2.0 port (front I/O)
EXPANSION	1x PCIe(x16) Gen4+2x PCIe(x4) Gen3+ 1x PCI (optional Riser Card)
SERIAL PORT	4x RS232C/422A/485 on rear I/O D-sub 9 pin 1x RS232C on rear I/O D-sub 9 pin
AUDIO	HD Audio compliant, 3.5φ stereo mini jack, Realtek ALC888 controller, 1x Line out, 1x Line in, 1x Mic in
WATCHDOG TIMER	Software programmable, 255 level (1sec - 255 sec), Causes a reset upon time-out.
HARDWARE MONITORING	System monitor(Voltage, Fan Speed and Temperature)
POWER MANAGEMENT	250W Flex ATX power supply
TPM	TPM 2.0
DIMENSION (W) x (H)	330(W)×399(D)×96(H) (No protrusions)
RTC BATTERY	CR2032 (Battery socket)
OPERATING TEMPERATURE	Operating temperature: 5° C ~ 40° C Storage temperature:-20° C ~ 60° C Operating Humidity : 20% ~ 80% , non-condensing
OS DRIVER SUPPORT	Windows 10 IoT Enterprise 2021 LTSC (64-bit) Windows 11 IoT Enterprise 2024 LTSC (64-bit)
CERTIFICATE	CE / FCC / VCCI (Class A) / UKCA / RoHS2.0