

BX-M310-G

Intel® Elkhart Lake Platform Atom® x6413E Processor
Fan less BOX-PC



Industrial
Automation
Systems



Kiosk、POS
Terminals



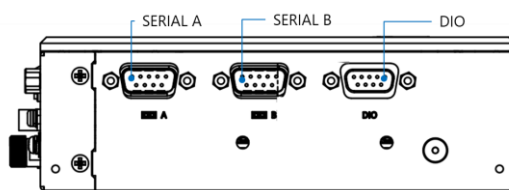
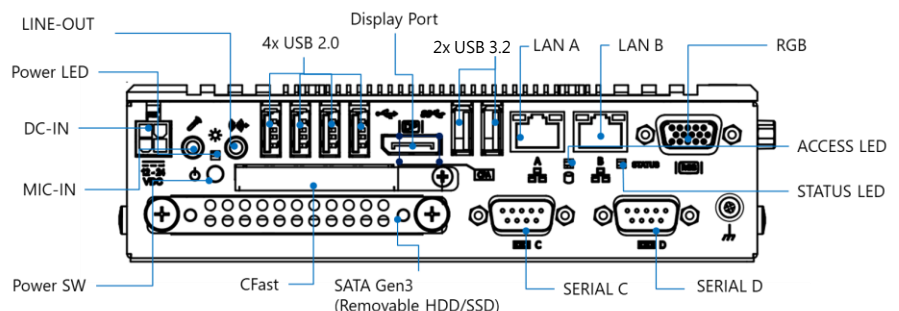
Semiconductor
Equipment
Control



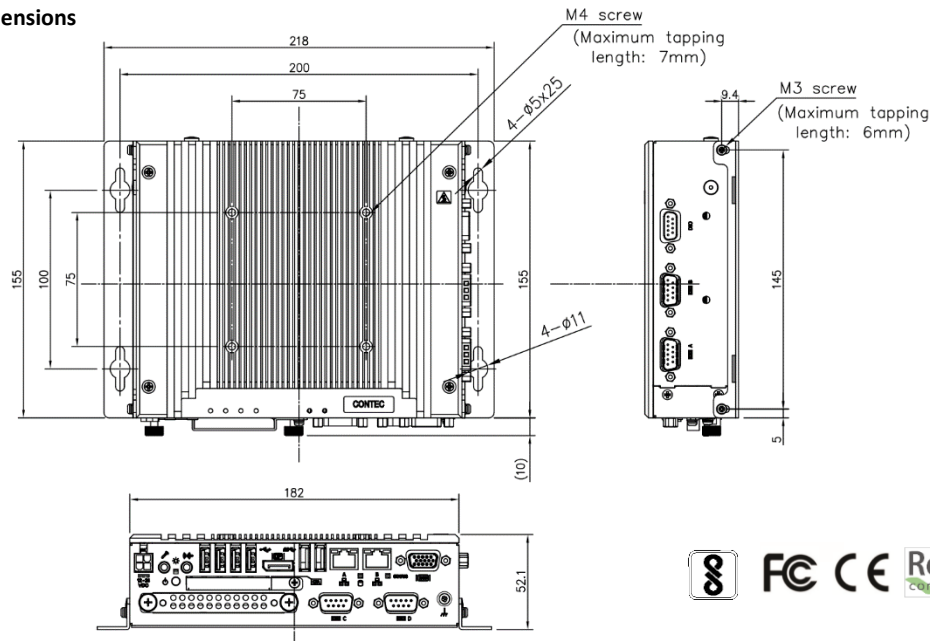
Features

- Intel® Elkhart Lake Platform by x6413E Processor
- Fan less design with removeable 2.5" storage driver bay + CFast Type I slot
- Dual 2.5GbE, 4x COM, 2x USB 3.1, 4x USB 2.0 , 1x GPIO
- 1x DP, 1x VGA and other rich expansion interfaces
- Security by TPM2.0
- Wide range DC input

Fanless box computers are ideal for industrial and factory automation applications due to their ease of maintenance. Equipped with a removable storage driver Bay, they are easier to maintain and have less risk of failure due to dust and debris buildup. This not only ensures their longevity but also provides cost-effective solutions for businesses



Mechanical Dimensions



Specifications

MODEL NAME	BX-M310-G22000
PROCESSOR	Intel Atom® x6413E Processor, 1.5M Cache, up to 3.0 GHz
CHIPSET	SoC (System on chipset), Support IBECC
BIOS	AMI UEFI BIOS
MEMORY	DDR4 3200 MHz, SODIMM x 1, Up to 32GB
STORAGE I/F	1 x 2.5" removable drive bay (SATA Interface) 1 x CFast type I (bootable)
DISPLAY INTERFACE	Controller: Intel® UHD Graphics for 10th Gen Intel® Processors 1 x VGA (up to 1920x1200@60Hz) 1 x Display Port (up to 4096 x 2304 @ 60Hz)
EXPANSION INTERFACE	1 x M.2 Key E 1630/2230 (PCIe +USB2.0) 1 x M.2 Key B 2242/3042/3052 (PCIe+USB3.1) with Nano SIM Socket
WATCHDOG TIMER	Software programmable, 1 sec ~ 255 sec
HARDWARE MONITORING	System monitor (Voltage, CPU & system temperature)
AUDIO	Conforms to HD Audio, LINE OUT x1, MIC IN x1
ETHERNET	Dual RJ45 connector on rear I/O 2 x 10/100/1000/2500Mbps. 2.5G Ethernet port Controller: 2 x Intel i226IT
SERIAL PORT	1 x RS-232/422/485 (Side I/O) 4 x RS-232 ports (Rear I/O, Side I/O)
USB PORT	2 x USB 3.2 Gen1 (USB3.0) compliant 4 x USB 2.0 compliant 2ports
GPIO	6-bit GPIO by D-SUB 9P (Side I/O)
POWER MANAGEMENT	Power On by Ring / Wake on LAN function (Setting from BIOS)
DIMENSIONS & WEIGHT	182(W) x 155(D) x 52.1(H) mm , 1.4 kg (Not including the attachment fitting or protrusions)
POWER SUPPLY	12-24 VDC (± 10%) ; ATX /AT Mode by jumper setting
ENVIRONMENT	Operation Temperature: 0 to 50°C (with 0.7m/s airflow) Storage Temperature: -20 to 70°C Humidity: 10 to 90% non-condensing
OS DRIVER SUPPORT	Windows®10 IoT Enterprise LTSC 2021 64Bit Windows®11 IoT Enterprise LTSC 2024 64Bit
CERTIFICATE	CE / FCC / UKCA / VCCI (Class A) / RoHS2.0 / BIS

Ordering Guide

● BX-M310-G22000	Intel Atom® x6413E Processor, 8GB DDR4 SDRAM+ Wall mount kit
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