



Box-PC

GOLUB 9000EP

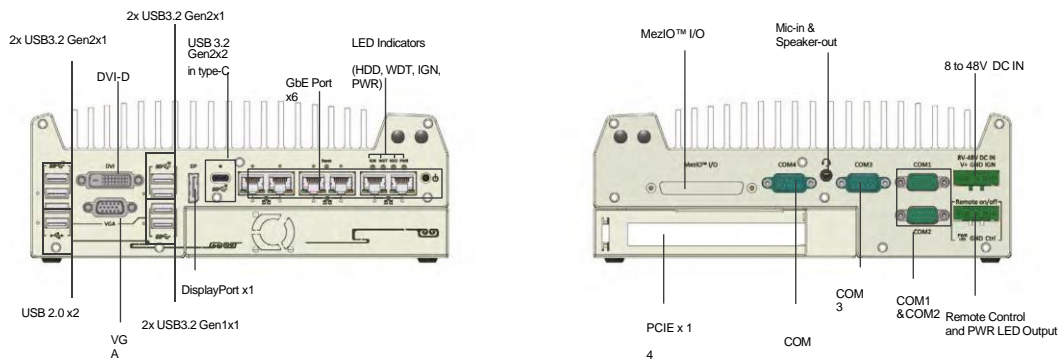
- Supporting Intel® 13th/12th-Gen Alder Lake Core™ CPU (LGA1700 socket, 35W/ 65W TDP)
- max. 64GB DDR5
- Supports dTPM 2.0 vPro & ATM 16.0
- Fanless



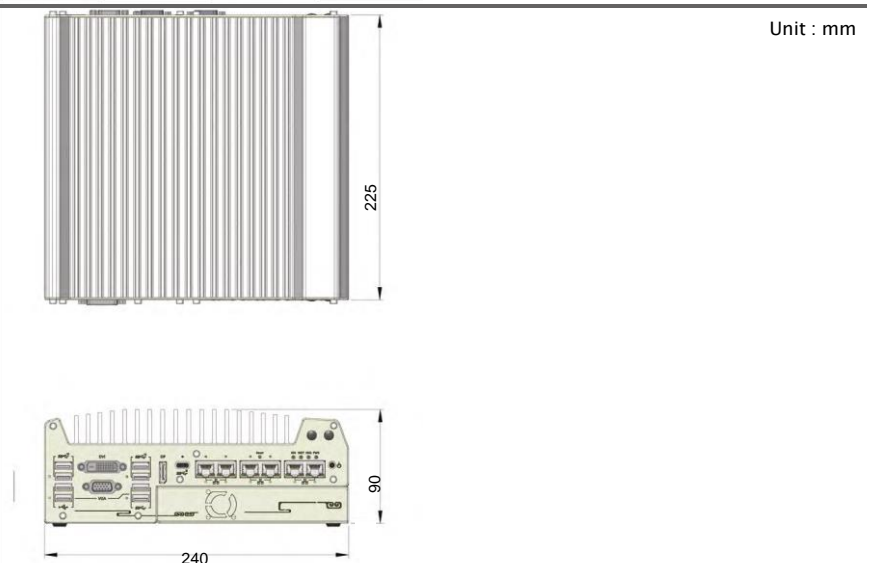
*Attention barebone system:
Configure your product individually at: <https://aprotech.de/en>

CPU*	Supporting Intel® 13 th /12 th -Gen Alder Lake Core™ CPU (LGA1700 socket, 35W/ 65W TDP)
Chipset	Intel® Q670E platform controller hub
RAM*	Up to 64GB DDR5 4800 SDRAM (two SODIMM slots)
Storage interface*	2x internal SATA port for 2.5" HDD/ SSD installation, supporting RAID 0/ 1 1x M.2 2280 M key NVMe socket (PCIe Gen4x4) for NVMe SSD
Ports	1x 2.5G Ethernet by I225 and 1x Gigabit Ethernet by I219 with screw-lock 5x 2.5G Ethernet by I225 and 1x Gigabit Ethernet by I219 with screw-lock Option: IEEE 802.3at PoE+ PSE for Port 3 - Port 6 (2.5GbE) 100 W total power budget 1x USB 3.2 Gen2x2 (20 Gbps) port in type-C connector with screw-lock 4x USB 3.2 Gen2x1 (10 Gbps) ports in type-A connectors 2x USB 3.2 Gen1x1 (5 Gbps) ports in type-A connectors 2x USB 2.0 ports 2x software-programmable RS-232/ 422/ 485 ports (COM1/ COM2) 2x RS-232 ports (COM3/ COM4) 1x VGA, supporting 1920 x 1200 resolution 1x DVI-D, supporting 1920 x 1200 resolution 1x DisplayPort, supporting 4096 x 2304 resolution 1x 3.5mm jack for mic-in and speaker-out
Expanded interface*	1x PCIe x16 slot@Gen3, 8-lanes PCIe signals in Cassette or 1x PCI slot in Cassette 1x full-size mini-PCIe 1x M.2 2242/3052 B key socket with SIM slot for M.2 5G/ 4G module
MezIO™	1x MezIO™ expansion port
Cooling system	Passive, fanless; included fan when PCI/PCIe card is installed (recommended)
Power input	1x 3-pin pluggable terminal block for 8V to 48V DC input 1x 3-pin pluggable terminal block for remote control and PWR LED output (Ctrl_In/ GND/ LED_Out) 1x 3-pin pluggable terminal block for 24V DC input (UL series)

Power consumption	TBD
Operating temperature	with 35W CPU -25 °C to 70 °C* with 65W CPU -25 °C to 70 °C* (configured as 35W TDP) -25 °C to 50 °C* (configured as 65W TDP)
Storage temperature	-40° to 85 °C
Storage humidity	10% bis 90%; non-condensing
Vibration	Operating, MIL-STD-810G, Method 514.6, Category 4
Shock	Operating, MIL-STD-810G, Method 516.6, Procedure I, Table 516.6-II
Certificate	CE/FCC Class A, according to EN55032 & EN55035; UKCA UL 62368-1, IEC62368-1 (UL series only - please specify when ordering)
Protection class	IP20
Mounting	Wall-mount; option: DIN-Rail mounting
Operating system*	Option: Microsoft Windows® 10, Fedora 29, Ubuntu 16.04.5 LTS & Ubuntu 18.04.0 LTS
Dimensions / mm	240 x 225 x 90
Weight / kg	3.58
Scope of delivery	Accessory Kit; DVI to VGA Adapter; Wall Mount Kit; Utility DVD Driver



Dimensions



* For sub-zero and over 60 °C operating temperature, a wide temperature HDD/ SSD/ NVMe is required.

Order Information

GOLUB 9002E, Barebone [2x GigE, 1x PCIe]	650101.1
GOLUB 9002P, Barebone [2x GigE, 1x PCI]	650101.2
GOLUB 9006E, Barebone [6x GigE, 1x PCIe]	650101.3
GOLUB 9006P, Barebone [6x GigE, 1x PCI]	650101.4
GOLUB 9006E-PoE, Barebone [6x GigE, 1x PCIe, 4x PoE+]	650101.5
GOLUB 9006P-PoE, Barebone [6x GigE, 1x PCI, 4x PoE+]	650101.6

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