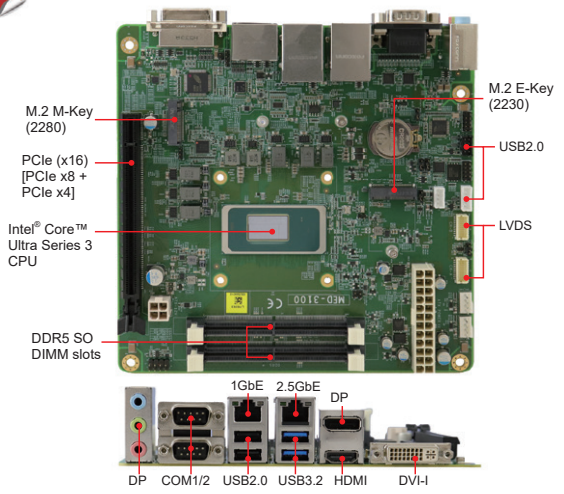
MED3100

Intel® Core™ Ultra 386H/366H/336H Series mobile Processors (Panther Lake-H)

NEW

Preliminary



Features

- Latest Intel mobile platform: onboard Intel® Core™ Ultra 9/7/5 386H/366H/336H Series processors, AI Performance up to 100 TOPS
- 2x DDR5 SO-DIMM sockets, Max. 64GB, Non-ECC
- Supports LVDS, 1x DVI-I, 1x HDMI 2.0, and DisplayPort 1.2 for most updated and legacy medical display
- 1x PCI-E (x16) [Gen.5.0] (PCIe x8 + PCIe x4); supports add-on capture and GPU cards via riser
- Compliance with IEC/EN/ASNS 60601-1-2 4.1th, IEC/EN/ASNS 60601-1 3.2th

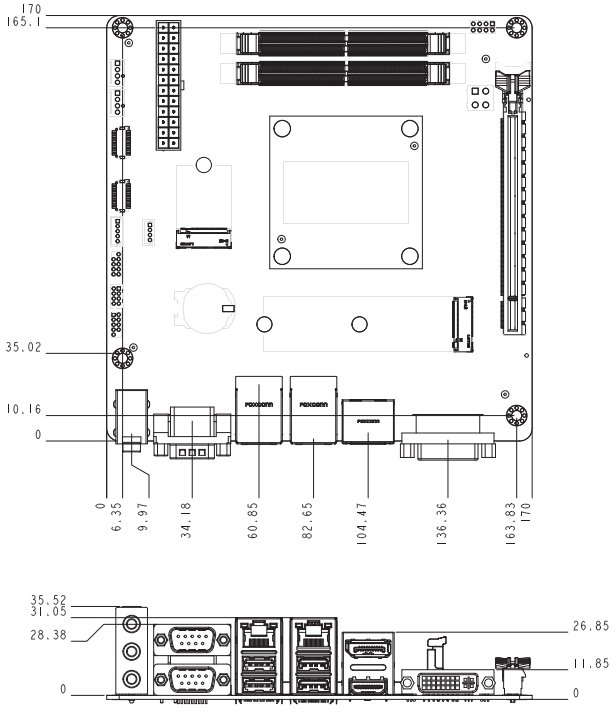
Specifications

CPU Socket	BGA2540 CPU onboard
CPU	Intel® Core™ Ultra 9/7/5 386H/366H/336H Mobile Processors (Panther Lake-H)
PCH	N/A
Memory	2x DDR5 SO-DIMM sockets, Up to DDR5-7200 SO-DIMM memory module, Max. 128GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	N/A
Storage Device Interface	NVMe
Expansion Slots	1x PCIe x16 [Gen5] (PCIe x8+ PCIe x4)
Mini Type Slots	1x M.2 (M-Key, type:2280 + 2242, PCI-E(4x) Gen.4) 1x M.2 (E-Key, type:2230, USB 2.0 + PCI-E(1x) Gen.4)
Graphics Controller	Intel® Core™ Ultra 9/7/5 386H/366H/336H Mobile Processors integrated graphics
Video Output	1x LVDS + 1x HDMI 2.0+ 1x DisplayPort (1.2)+ 1x DVI-I
Ethernet	LAN 1: Intel® I226LM, supports 2.5G LAN 2: Intel® I219LM, supports iAMT
I/O Chipset	eSPI F81804
Serial Port	2x COM ports: RS232
USB 2.0	3x USB 2.0 via pin-header, 2x USB 2.0 ports edge connector
USB 3.X	2x USB3.2 Type A (10Gbps)
Serial ATA	N/A
Audio	Built-in HD Audio controller + Realtek ALC888S w/ 7.1 channels
TPM	Supports dTPM
Others	Watchdog timer, CPU cooler
Dimensions (L x W)	170mm x 170mm (6.7" x 6.7")
Power Consumption	TBD
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-40°C~70°C (-4°F~158°F)
Relative Humidity	90% (non-condensing @60°C)

Ordering Information

TBD	Intel® Core™ Ultra 9 386H CPU onboard MiniITX board w/ LVDS, HDMI, DisplayPort, DVI-I,, 2x LAN, iAMT (19.0), dTPM (2.0)
TBD	Intel® Core™ Ultra 7 366H CPU onboard MiniITX board w/ LVDS, HDMI, DisplayPort, DVI-I, 2x LAN, iAMT (19.0), dTPM (2.0)
TBD	Intel® Core™ Ultra 5 336H CPU onboard MiniITX board w/ LVDS, HDMI, DisplayPort, DVI-I, 2x LAN, iAMT (19.0), dTPM (2.0)

Dimensions and Drawing



Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user's manual & datasheet download, visit www.ibase.com.tw.