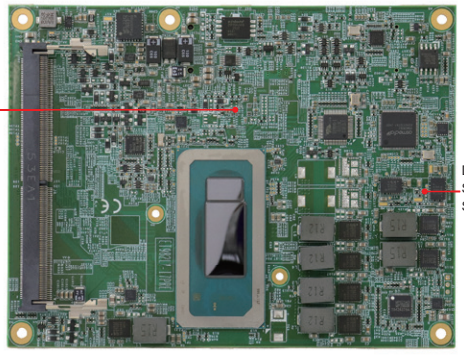
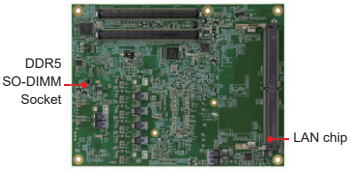
ET982

13th Gen Intel® Core™ i Mobile Processors
COM Express Type 6 (R3.1) Module



Features

- Onboard 13th Gen Intel® Core™ i7/i5/i3 processors
- 2x DDR5-5200 SO-DIMM sockets, Max. 64GB
- Supports 3x independent displays from HDMI / DP / VGA / LVDS or eDP
- 1x onboard 2.5 GbE LAN
- 4x USB 3.2, 8x USB 2.0, 2x SATA III, 2x COM
- 1x PCIe (x16), 1x PCIe (x4), 4x PCIe (x1) signals to carrier board
- Watchdog Timer, Digital I/O, TPM (2.0)
- Supports wide-range operating temperature from -40°C to 75°C (Only ET982LV-I7PRE)



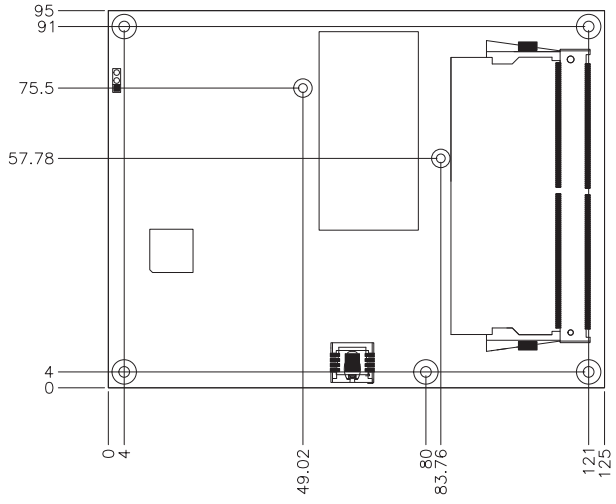
Specifications

CPU	BGA1744 for 13th Gen Intel® Core i7/i5/i3 mobile processors (SoC)
PCH	Integrated in SoC
Memory	2x DDR5-5200 SO-DIMM sockets, Max. 64GB
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	N/A
Expansion Slots	1x PCIe (x16), 1x PCIe (x4), 4x PCIe (x1) signals to carrier board
Graphics Controller	13th Gen Intel® Core processors integrated graphics
Video Output	HDMI, DisplayPort, VGA, LVDS or eDP on carrier board
Ethernet	1x Intel® I226LM 2.5GbE (RJ45 via carrier board)
I/O Chipset	Fintek F81804U-I onboard
Serial Port	2x COM ports (Tx/Rx only) via carrier board
USB 2.0	8x USB 2.0 via carrier board
USB 3.X	4x USB 3.2 (10 Gbps) via carrier board
Serial ATA	2x SATA III via carrier board
Audio	Integrated HD Audio controller
TPM	TPM (2.0)
Others	Digital I/O (4-in/4-out), Watchdog Timer
Dimensions (L X W)	95mm x 125mm (3.74" x 4.92")
Power Consumption	TBD
Operating Temperature	-40°C to 75°C (40°F~167°F) for ET982LV-I7PRE 0°C~60°C (32°F~140°F)
Storage Temperature	-20°C ~ 80°C (-4°F ~ 176°F)
Relative Humidity	90% RH (non-condensing @60°C)

Ordering Information

ET982LV-I7PRE	COM Express (Type 6) module w/ Intel® i7-1370PRE onboard, supports LVDS
ET982LV-I7P	COM Express (Type 6) module w/ Intel® i7-1370PE onboard, supports LVDS
ET982-I7U	COM Express (Type 6) module w/ Intel® i7-1365UE onboard, supports eDP
IP414	ATX COM Express Type-6 carrier board, supports ATX
IP414-DC	ATX COM Express Type-6 carrier board, supports DC-in
HSET981-A	Heatsink with fan for ET981/ET982
HSET980-3	Heat spreader for ET981/ET982

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.