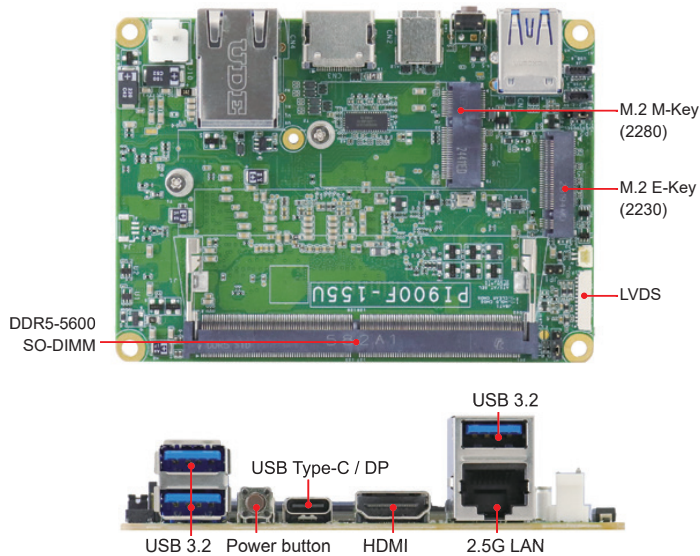


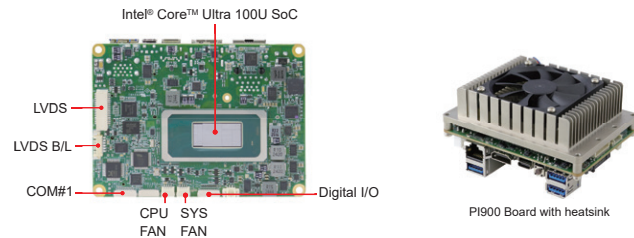


Specifications

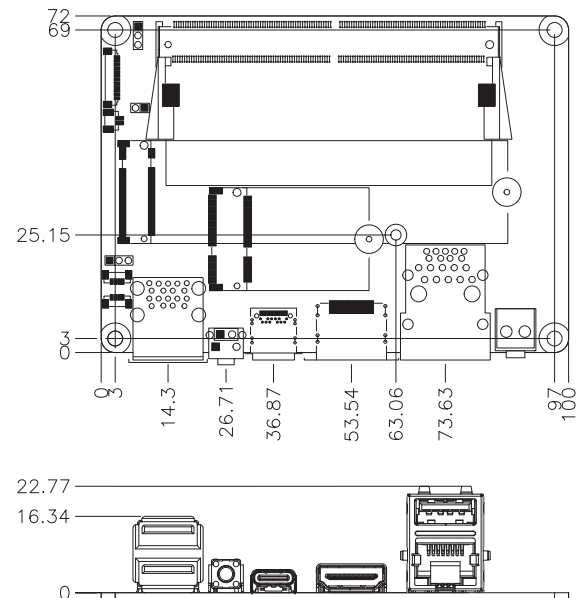
CPU	Intel® Core™ Ultra 7 Processor 155U Series Processors
PCH	N/A
Memory	1x DDR5-5600 SO-DIMM, Max. 48GB
NPU	Intel® AI Boost (11 peak)
BIOS	AMI UEFI
H/W Monitor	Yes, 256 levels Watchdog timer
Storage Device Interface	NVMe
Expansion Slots	1x M.2 (M2280), 1x M.2 (E2230)
Mini Type Slots	1x M.2 (M2280, supports NVMe & SATA) 1x M.2 (E2230, supports CNVi)+WiFi / BT
Graphics Controller	Intel® SoC integrated graphics
Video Output	1x HDMI (2.0) 1x DisplayPort (1.4a) via Type-C 1x LVDS
Ethernet	1x Realtek 8125BG-CG PCIe 2.5GbE LAN port
I/O Chipset	Fintek F81804U-I
Serial Port	1x RS232/422/485
USB 2.0	2x USB 2.0 thru onboard connectors
USB 3.X	3x USB 3.2 @ edge I/O, 1x USB 3.2 (Type-C)
Serial ATA	via M.2 M-key socket
Audio	Realtek Codec ALC888S-VD2-GR
TPM	dTPM
Others	Digital I/O (4-in/4-out), +12V DC input
Dimensions (L x W)	100mm x 72mm (3.94" x 2.84")
Power Consumption	Intel® Core® Ultra 7 155U / up to 4.80GHz w/ 1x 32GB DDR5 – 5600 +12V :5.93A
Operating Temperature	0°C ~ +60°C (32°F ~ +140°F)
Storage Temperature	-20°C ~ +80°C (-4°F ~ +176°F)
Relative Humidity	10% ~ 90% (non-condensing)

Features

- Intel® Core™ Ultra 155U Series Processors (15W TDP)
- 1x DDR5-5600 SO-DIMM, Max. 48GB
- Supports DisplayPort (1.4a), HDMI (2.0), LVDS
- 3x USB 3.2 (Type-A), 2x USB 2.0 (pin-header), 1x USB 3.2 (Type-C / DP)
- 1x RTL-8125BG-CG PCIe 2.5G LAN, 1x COM
- 2x M.2 slots (M2280+E2230)
- Watchdog Timer, Digital I/O, TPM (2.0), +12V DC input only

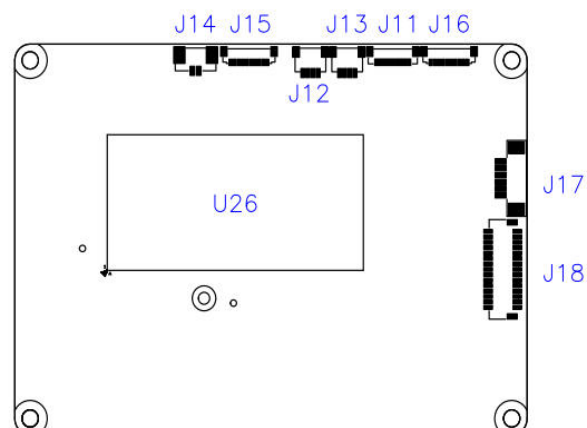
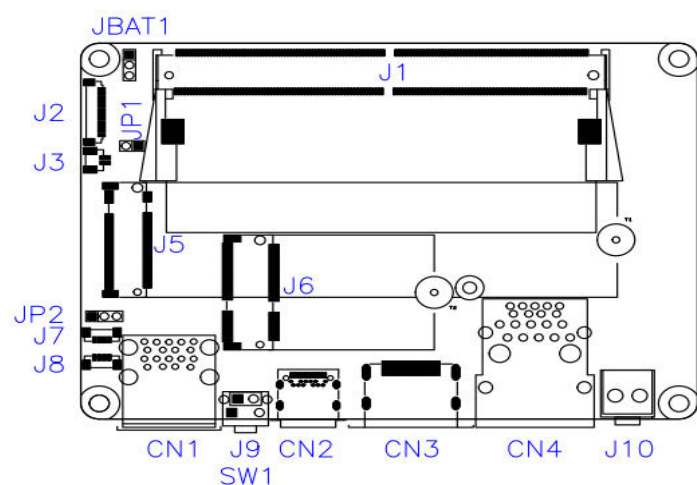


Dimensions and Drawings



Ordering Information

SBC-PI900F	Intel® Ultra 7 155U, PICO-iTx, Intel GPU/NPU w/ HDMI, LVDS, USB-C/DP, USB 3.2, Ethernet 2.5GbE, vPro-E.
CABLES	cables on next page



Available cables for ordering :

P/N	Description	Lenght	PI900F
CAB-USB260-300	(J7)USB2.0 to mini USB-B	300 mm	J7
CAB-USB261-300	(J8)USB2.0 to P27A	300 mm	J8
CAB-PW384	(J10)12V DC power input to (Open wire)	300 mm	J10
CAB-OT19	(J13)CPU/(J12)SYS Fan Header wire open wires	200 mm	J12/J13
CAB-OT20	(J9)PwrON(J3)Reset to open wire	300 mm	J9
CAB-OT20B	(J9)PwrON(J3)Reset to Mini Switch 5mm	300 mm	J9
CAB-PK1-197	(J16)COM DB9F Panel mount	1500 mm	J16
CAB-AUDIO90	(J2)Audio AudioHD to (3x)3.5mm mini Jack	300 mm	J2
CAB-AUDIO90B	(J2)Audio Speaker Out/AudioHD to Single 3.5mm mini Jack	300 mm	J2
CAB-AUDIO90C	(J2)Audio MicIN/Speaker Out to 3.5mm TRRS Jack	300 mm	J2
CAB-LVDS585	(J18+J17) LVDS+Power to i-PEX 20453-040t (GV101WXM-N80-8GP0 _o)	300 mm	J18/J17
CAB-PK1-195	(J16)COM Extension cable for COM port	250 mm	J16
ACC-IDA103	USB 2.0 Single USB 2.0 port Module		
CAB-EXT920	(J8) USB 2.0 cable to IDA103	250 mm	J8
HS-PI900FHS	Heatsink for PI900F with FAN		J13
PANEL-36	10.1" LCD 1280x800 w/touch contr BOE GV101WXM-N81	10.1 Inch	