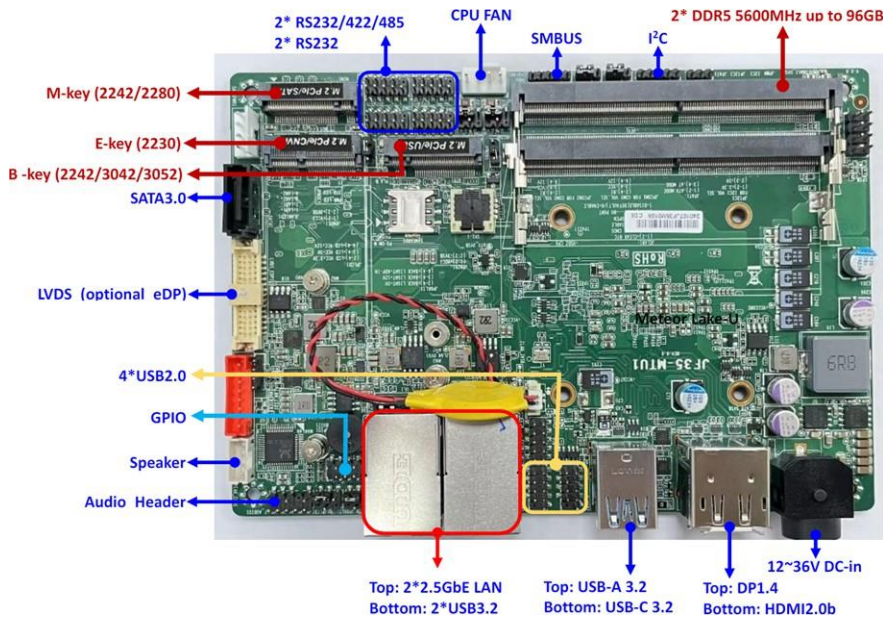


3.5" SubCompact Board with 14th Gen Core™ Ultra 7 155U/ 14th Gen Core™ Ultra 5 125U



Features

- Onboard Intel® 14th Gen Core™ Ultra 7 155U (Formerly Meteor Lake-U, TDP 15W)
- 2 x DDR5 5600MHz Dual CH SO-DIMM up to 96GB

Application

- Industrial Control
- Industrial Robotics
- Digital Signage

Specifications

SYSTEM

MB FORM FACTOR	3.5"
CPU	Onboard Intel® 14th Gen Core™ Ultra 7 155U (Formerly Meteor Lake-U, TDP 15W) Onboard Intel® 14th Gen Core™ Ultra 5 125U (Formerly Meteor Lake-U, TDP 15W) For additional compatible CPUs, please contact regional sales
CHIPSET	Intel® SoC
MEMORY	2 x DDR5 5200MHz, Dual Channel SO-DIMM, up to 96GB
BIOS	UEFI
WAKE ON LAN	Yes
WATCHDOG TIMER	255 Levels
SECURITY	TPM2.0 (dTPM, Optional)
RTC BATTERY	Lithium Battery
DIMENSION (W X D)	148.0 (W) x 102.0 (D) mm (5.8" x 4.0")
OS SUPPORT	Windows® 11 (64bit) Windows® 10 (64bit) Linux

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(Draft for Reference)



POWER

POWER REQUIREMENT	DC-in 12~36V
POWER ON MODE	AT / ATX (Default) Mode
CONNECTOR	4-pin Power Din

DISPLAY

GPU	Intel® Iris® Xe Graphics
LVDS	1 x 24-bit Dual Channel LVDS (Max. Resolution: 1920 x 1200 @60Hz, Co-lay eDP)
Type C DP	1 x Type C DP1.4 (Max Resolution: 4096 x 2160@60Hz)
DP	1 x DP1.4 (Max Resolution: 4096 x 2160@60Hz)
HDMI	1 x HDMI 2.0b (Max Resolution: 4096 x 2160@60Hz)
MULTIPLE DISPLAY	Support 4 Displays

AUDIO

CODEC	Realtek ALC897
COMBO	1 x Combo Audio Jack for Line-Out / Mic-In
AMPLIFIER	3W

LAN

ETHERNET	1 x RJ45 for Intel® I225-V 2.5GbE 1 x RJ45 for Intel® I226-LM 2.5GbE
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USB PORT

USB	1 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2) 3 x USB 3.2 Gen 2x1 (10Gbps, Formerly USB 3.1 Gen 2)
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SERIAL PORT

COM	Internal Header for 4 x RS-232/422/485
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INTERNAL I/O

GPIO	8-Bit
SMBUS	Yes
I2C	Yes
FAN	1 x 4-pin Connector for CPU Fan (PWM Mode)
FRONT PANEL	HDD Active LED Power LED Power On/Off Reset
ADDITIONAL	1 x Chassis intrusion 1 x AT/ATX Mode Selection

STORAGE

SATA	1 x SATA3 1 x SATA Power Connector
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EXPANSION

M.2	1 x E-Key 2230 (USB 2.0/PCIe 3.0 x1) Support CNVi 1 x B-Key 2242/3042/3052 (USB 3.2/SATA3/PCIe 3.0 x1) 1 x M-Key 2242/2280 (PCIe 4.0 x4 + SATA3) Support NVMe
SIM	1 x Nano SIM Card Slot

OTHERS

OTHER	1 x AT mode 1 x Chassis intrusion
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ENVIRONMENT & CERTIFICATION

JF35-MTU1

(Draft for Reference)



OPERATING TEMPERATURE	-20°C ~ 60°C (-4°F ~ 140°F)
STORAGE TEMPERATURE	-20°C ~ 85°C (-4°F ~ 185°F)
OPERATING HUMIDITY	10 ~ 90% relative humidity, non-condensing
CERTIFICATION	CE/FCC Class A