

### Features

- Supports 14th Gen. Intel® Core™ Ultra Processors, Meteor Lake-U, TDP15W
- 1x 262-pin DDR5 5200 S0-DIMM. Max. up to 32GB
- 3x Intel® 2.5 GbE
- Quad simultaneous display: DP, LVDS, eDP
- 1x M.2 M Key for NVMe/ SATA, Auto detect
- 1x M.2 B Key for 4G/5G support, 1x M.2 E Key for Wifi/Bluetooth
- 2x SIM Nano Socket
- 1x USB Type-C, 1x USB 3.2 Gen 1, 2x USB 2.0
- 4x RS-232/422/485 (internal), 1x 8-bit GPIO
- Watchdog timer 1~255sec. system reset
- dTPM 2.0 Supported
- Wide Voltage DC IN 12~24V

### Specifications

System	
Processor	<ul style="list-style-type: none"> <li>• Intel® Core™ Ultra 5 Processor 125U 12M Cache, up to 4.30 GHz (2+8+2 core)</li> <li>• Intel® Core™ Ultra 7 Processor 155U 12M Cache, up to 4.80 GHz (2+8+2 core)</li> </ul>
System Chipset	SoC
LAN Chipset	GbE1: Intel i226-LM 2.5GbE LAN PXE Support GbE2: Intel i226-V 2.5GbE LAN PXE Support GbE3: Intel i226-V 2.5GbE LAN PXE Support
Audio Codec	Realtek Audio HDA Codec
System Memory	1x 262-Pin DDR5 5200MHz S0-DIMM. Max. up to 32GB (Non-ECC)
Watchdog	Software Programmable Supports 1~255 sec. System Reset
TPM	dTPM2.0, fTPM2.0
Display	
Display Port	2x DP++ 1.4 up to 3040x2160 @60Hz
eDP	1x eDP 1.4b, max 3840x2160 @60Hz
LVDS	1x LVDS up to 1920x1200 @60Hz, dual channel
Multiple Display	Quad simultaneous display
Storage	
M.2	1x M.2 M Key (2280, PCIe x4 Gen 4/SATA) support for NVMe/ SATA SSD, Auto Detect
Expansion	
M.2	1x M.2 B Key (3042/3052, PCIe x2+USB 3.0+USB 2.0) support for 4G/5G 1x M.2 E Key (2230, PCIe+USB 2.0) for Wifi/Bluetooth
I/O	
Display Port	2x DisplayPort
LAN	3x RJ45
SIM	2x SIM Nano Socket
USB	1x USB 3.2 Type-C (5 Gbps) 2x USB 3.2 Gen 2 (5 Gbps) 1x USB 2.0
Internal I/O	
COM	4x RS-232-/422/485(internal)
GPIO	1x GPIO 8-pin header (4 In/4 Out, non-isolated)
USB	4x USB 2.0 Internal 2.0PH Headers
Operating System	
Windows	Microsoft® Windows® 10 Enterprise Windows 11 IoT Enterprise
Linux	Linux Ubuntu 22.04
Power	
Power Adapter	Optional AC/DC 12V/5A, 60W
Power Mode	AT, ATX
Power Supply Voltage	DC IN 12~24V
Power Connector	Micro fit pitch 3.0 2x2 pin

Power Protection	OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection
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Environment	
Form Factor	3.5" Embedded SBC
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 75°C
Relative Humidity	10% to 95% (non-condensing)
Certification	CE, FCC Class A

Physical	
Dimensions	146 x 102mm

### Available Models

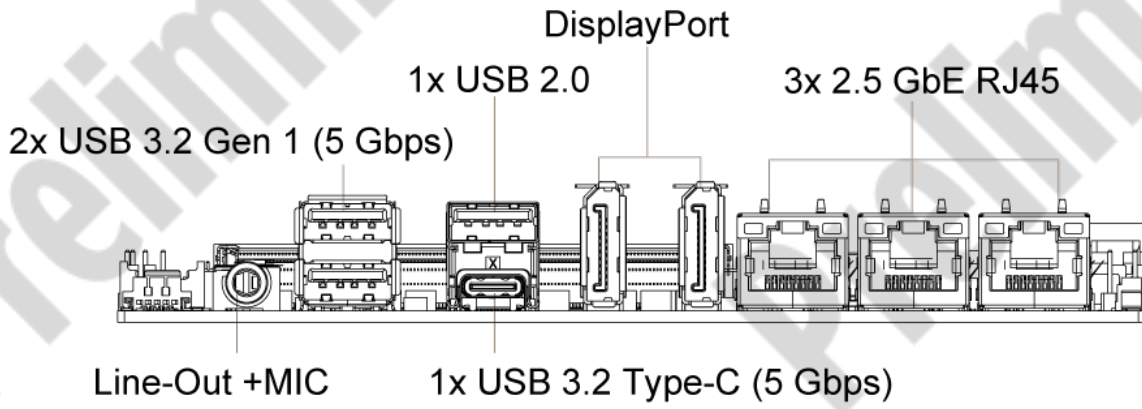
- CT-DML01  
3.5" SBC Industrial Motherboard With Intel® Core™ Ultra Processors, Meteor Lake-U

### Exports And Tariff Codes

ECCN	5A992.c
HTS	8504.90.2000
ScheduleB	8473.30.0002

\* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout



Dimension

Unit: mm

