



SBC-375 – 3.5 Inch Single Board Computer with Intel® Meteor Lake-H Processors

The SBC-375 is a 3.5 inch Single Board Computer equipped with Intel® Meteor Lake-H Core™ Ultra processors which enables incredible performance in a small form factor. With DDR5 memory support as well as the extensive expansion options, this small board is well suited for most industrial applications. The SBC-375 can support up to 4 displays simultaneously using integrated Intel® Arc™ Graphics.

SPECIFICATIONS

CPU	Intel® Core™ Ultra processors (Meteor Lake-H)
Memory Type	262-pin DDR5 5600 MHz SO-DIMM
Memory Slots	1
Maximum Memory Supported	48GB
Integrated Graphics	Intel® Arc™ Graphics
Watchdog Timer	256 Segments, 0, 1, 2, ...255sec
Video	1 x HDMI 2.1 TMDS, 1 x DisplayPort 1.4a, 2 x USB 3.2 Gen2x2 (Type-C, supports DP 1.4a display output), 1 x LVDS/eDP
LAN Ports	1 x Intel® I226LM 2.5GbE vPro, 1 x Intel® I210AT GbE
Serial ATA (SATA)	1 x SATA III
Storage	1 x M.2 M-Key 2242/2280 PCIe Gen4 x4, 1 x M.2 M-Key 2242 PCIe Gen4 x4
RAID	Intel® VMD RAID 0/1 **supported by PCIE interface PCIE interface: M.2 Key B + M.2 Key M1/2 or 2*M.2 Key M

GPIO Interface	4 x GPI, 4 x GPO
TPM	TPM 2.0 onboard IC
Extended Interface	1 x PCIe Gen3 x1 (supports up to 10W), 1 x M.2 E-Key 2230 PCIe Gen4 x1, 1 x M.2 B-Key 3042/3052 PCIe Gen4 x1, 1 x SIM Socket (Connected to M.2 B-Key)
Rear I/O	1 x HDMI, 1 x DP, 2 x LAN, 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen2x2 (Type-C)
Internal I/O	2 x USB 2.0 headers, 3 x RS-232/422/485, 1 x GPIO header, 1 x LVDS/eDP, 1 x SATA PWR, 1 x Speaker header, 1 x MIPI Camera header
Audio	Realtek ALC256 HD Audio
Power Requirement	12 ~ 36V DC Input
Dimensions	5.8" x 4" (147mm x 102mm)
Operating Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 185 °F)
Relative Humidity	5 ~ 90%
OS Software Supported	Windows 10 64-bit, Windows 11 64-bit
Global P/N / SKU	3308951

Ordering Options

SBC-375P (SKU# 3308951A): 3.5" Single Board Computer with Intel® Core™ Ultra 7 155H Processor

SBC-375M (SKU# 3308951B): 3.5" Single Board Computer with Intel® Core™ Ultra 5 125H Processor