



KEY FEATURES

- COM Express Type 10 Pin Out
- Supports COM Express Mini Module
- Supports Dual Digital Display Interfaces (DDI0) with DisplayPort and eDP output
- 1 x PCIe x1, 4 x USB 2.0, 2 x USB 3.2 Gen2, 1 x M.2 Key B, 1 x M.2 Key E, 1 x M.2 Key M, 2 x SATA3
- TPM Header
- 12V~28V DC-In (4-pin DC Jack)

SPECIFICATIONS

Form Factor

Dimensions (LxWxH)	mini-ITX (6.7-in x 6.7-in x 0.82-in, 17.0 cm x 17.0 cm x 2.1 cm)
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Expansion Slot

PCIe	1 x PCIe x1
M.2	1 x M.2 (Key B, 3042/3052) with PCIe x1 and USB 2.0 1 x M.2 (Key E, 2230) with PCIe x1 and USB 2.0
SIM Socket	1 x SIM socket

Audio

Interface	Realtek ALC897 HD, High Definition Audio. Mic-In, Line-Out
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Ethernet

Controller/ Speed	1 x slot 10/100/1000/2500 Mbps
Connector	1 x RJ-45

Rear I/O

DisplayPort	1 x DP1.4
Ethernet	1 x 2.5 Gigabit LAN
USB	2 x USB 3.2 Gen2
Audio	2 (Mic-in, Line-out)
DC Jack	1 x DC in

Internal Connector

USB	4 x USB 2.0 (2x2.54 pitch header)
COM	1 x COM1(RS-232), 2 x TX/RX/GND
GPIO	4 x GPI, 4 x GPO
TPM	TPM Header
eDP	1
SATA PWR Output	1
Speaker Header	1
CAN Bus	1 x CAN Bus (1 x 2.00 pitch header)

Storage

M.2	1 x M.2 (Key M, 3042/3060/2280) with PCIe x1
SATA	2 x SATA3 (6Gb/s)

Watchdog Timer

Output	From Super I/O to drag RESETCON#
Interval	256 Segments, 0, 1, 2, ...255sec

Power Requirements

Input PWR	12V~28V DC-In (4-pin DC Jack)
Power On	AT/ATX Supported - AT : Directly PWR on as power input ready - ATX : Press button to PWR on after power input ready

Environment

Operating Temp	0°C ~ 60°C
Storage Temp	-40° C ~ 85° C
Operating Humidity	5% ~ 90%
Storage Humidity	5% ~ 90%