

MTX - 29002

Intel Elkhart Lake Series Processor based
MINI ITX Board



FEATURES

- Intel Elkhart Lake series processors
- Supports 2*DDR4 SO-DIMMs, up to 32GB
- Supports HDMI, VGA, LVDS/ eDP display
- Intel 2.5G network cards, single and dual network optional
- TPM2.0 (optional)

MTX - 29002	
CPU	Onboard Intel Elkhart Lake series processors, J6412/X6413E/J6413
RAM	2 DDR4 SO-DIMMs for a total maximum of 64GB
HDMI	HDMI 2.0, 4096x2160@60Hz, supports 4K display
VGA	VGA; Choose between 24-bit LVDS/eDP HDMI 2.0, VGA, LVDS/EDP can be displayed synchronously or asynchronously
Storage	2 SATA3.0, mSATA, Onboard eMMC, choose between SATA2
LAN	Intel 2.5G network (single and dual network optional)
USB	2 USB3.1, 2 USB2.0
DC	1 DC JACK
AUDIO	1 Line out, 1 Mic in
TPM	TPM2.0, optional
M.2	M.2 E-Key, PCIe&USB2.0 protocol
Mini PCIe	Mini PCIe, PCIe & USB 2.0 protocols (only one set of JUSB2 pins is available when it's a USB signal).
PCIe_4X	1*PCIe_4X (PCIe3.0_x4)
USB EXPANSION	2 sets (4pcs) USB2.0 pins, 2x5Pin, pitch 2.0mm; When the M.2 E-Key and Mini PCIe are not in use, they are 3 sets of USB headers
COM	6*COM headers, pitch 2.54, 2 RS232/485, 4 RS232
GPIO	8-bit GPIO pin header, 2x5Pin, pitch 2.54mm; 1 LPT pin header, 2x13Pin, pitch 2.54mm
SPDIF	SPDIF pin header, 1x3Pin, pitch 2.54mm
PS/2	1 PS/2 pin headers, 2x4Pins, 2.54mm pitch
F_Panel	1*Wafer Block 4Pin; 2x5Pin, pitch 2.54mm
Power supply	DC 12V, fanless by default, optional fan
OPERATING temperature	-20°C ~ +60°C;
OPERATING humidity	0% ~ 90% relative humidity, no condensation
Storage temperature	-40°C ~ +85°C
Storage humidity	0% ~ 90% relative humidity, no condensation
CERTIFICATIONS	CE, FCC
WARRANTY	2 YEARS