

The4thware X86 Board [Micro-ATX]

INTEL 12th/13th/14th PROCESSOR / H770 PLATFORM

TSM-73284 Series

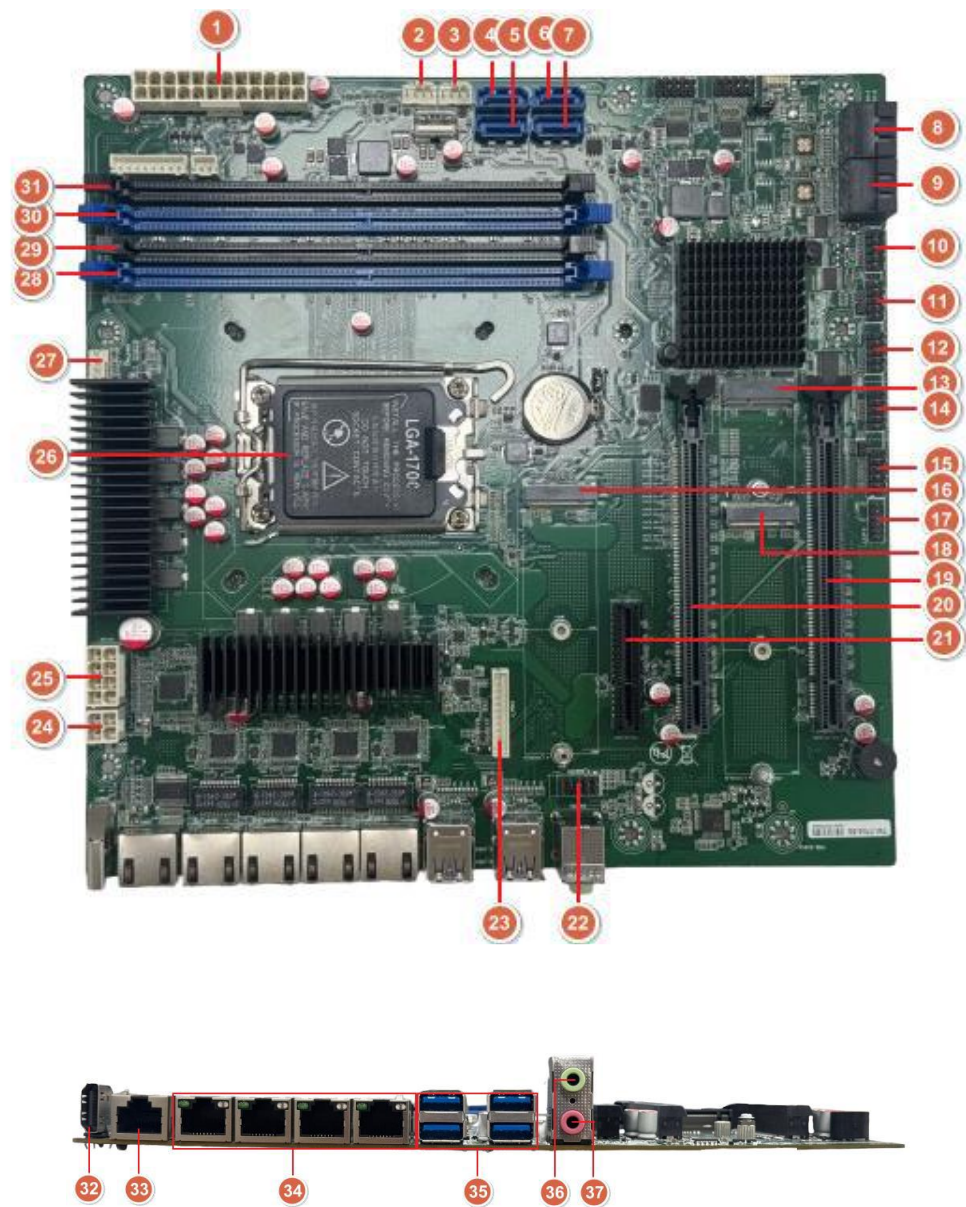


PRODUCT SPECIFICATION

Model	CPU	COM	LAN	HDMI	VGA	USB	M.2	PCIE	SATA
TSM-73284A	12/13/14 th (LGA1700)	4	4	1	1	4x 3.0 2x 2.0	2x M-Key 1x E-Key	1x Gen4 x4 2x Gen4 x8	8x 3.0
TSM-73284B	12/13/14 th (LGA1700)	4	4	1	1	4x 3.0 2x 2.0	2x M-Key 1x E-Key	1x Gen4 x4 1x Gen4 x16 (or 2x Gen4 x8)	8x 3.0

TSM-73284 Series			[Micro-ATX]
Model	TSM-73284A		TSM-73284B
CPU	Intel® Raptor Lake Series Processor		
	12/13/14 th (LGA1700)		
PCH	Intel H770 Chipset		
Memory	4x DDR4 UDIMM		
Storage	2x M.2 (M-Key, NVMe) Socket 8x SATA 3.0 Port		
Ethernet	1x RJ45 Console 4x 1 Gigabite LAN Ports (i226-V)		
Display	1x HDMI Port 1x VGA Port		
COM	4x RS232 (Pin Header)		
USB	4x USB3.0 (Type-A, External Port) 1x USB2.0 (Type-A, Internal Port) 1x USB2.0 (Pin-Header)		
Expansion Slot	1x PCIe Gen4 x4 2x PCIe Gen4 x8 1x M.2 (E-Key)		1x PCIe Gen4 x4 1x PCIe Gen4 x16 (or 2x PCIe Gen4 x8) 1x M.2 (E-Key)
Others	2x Audio (Pin-Header, Audio Port) 1x MIC Port 1x CPU Fan 2x System Fan		
OS	Linux, Windows		
Power	12V ATX Power (24Pin, 8Pin, 4Pin)		
Dimension	243.8 x 243.8 mm		
Operating Temperature	0~60 °C		

Jumper / Headers and Connectors



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Jumper / Headers and Connectors

Headers and Connectors							
1	ATX1 24P	11	F_USB2.0 Header	21	PCIe x4 Slot 1	31	DDR4 Slot B1
2	SYS_FAN1	12	COM4 Header	22	F_Audio1 Header	32	HDMI
3	SYS_FAN2	13	M.2 E-KEY	23	VGA Header	33	RJ45 Connector
4	SATA 8	14	COM3 Header	24	ATX2 8P	34	4x LAN RJ45 Connector
5	SATA 7	15	COM2 Header	25	ATX3 4P	35	4x USB3.0 Connector
6	SATA 6	16	M.2 NVMe x4 (CPU)	26	CPU Socket	36	Audio
7	SATA 5	17	ESPI1	27	CPU_FAN	37	MIC
8	SATA 4/3	18	M.2 NVMe x4 (PCH)	28	DDR4 Slot A0		
9	SATA 2/1	19	PCIe x16 Slot2	29	DDR4 Slot B0		
10	F_PANEL Header	20	PCIe x16 Slot2	30	DDR4 Slot A1		