ASUS P12R-M/10G-2T Intel C252 LGA 1200 (Socket H5) micro ATX
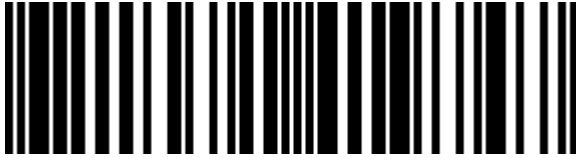
Brand : ASUS

Product code: 90SB0AC0-M0UAY0

Product name : P12R-M/10G-2T

- Ideal for remote office/branch office (ROBO) use and everyday business environments
- Powered by eight-core Intel® Xeon E-2300-series processor with support for up to 95 W TDP
- Flexible expandability with six native SATA HDDs and two PCI Express 4.0 slots
- Dual Intel I210AT Gigabit Ethernet with teaming support
- One M.2 for up to 32 Gbps performance for faster OS booting
- HDMI 1.4 support for high-resolution display maintenance and monitoring
- Onboard ASUS ASMB10-iKVM with ASPEED AST2600 controller for out-of-band management
- Integrated PFR FPGA as the platform Root-of-Trust solution for firmware resiliency

Intel® Xeon® E-2300 LGA 1200 Micro-ATX server motherboard with four DIMM and one M.2 slot, plus dual 10G LAN, six SATA, one HDMI, two PCIe 4.0 slots, two USB 3.2 Gen 2, Platform Firmware Resilience (PFR) and ASUS ASMB10-iKVM

Processor

Processor manufacturer *	Intel
Processor socket *	LGA 1200 (Socket H5)
Compatible processor series *	Intel® Pentium®, Intel Xeon E

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
Supported memory clock speeds	2666,2933,3200 MHz
Maximum internal memory *	128 GB
Supported memory module capacities	4GB, 8GB, 16GB, 32GB

Storage controllers

Supported storage drive interfaces *	M.2, SATA III

Graphics

Graphics card family	ASPEED
Graphics card	AST2600
On-board graphics card memory	64 MB

Internal I/O

USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	2
Number of SATA III connectors *	6
ATX Power connector (24-pin)	✔
Peripheral (Molex) power connectors (4-pin)	6
EPS power connector (8-pin)	✔

Internal I/O

TPM connector	✔
Serial port headers	1

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports *	3
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1

Network

Ethernet LAN	✔
Wi-Fi *	✘

Features

Motherboard chipset *	Intel C252
Component for *	Server
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel

Expansion slots

PCI Express x4 slots	1
PCI Express x16 (Gen 4.x) slots	1
Number of M.2 (M) slots	1

Operational conditions

Storage temperature (T-T)	-40 - 70 °C
Operating temperature (T-T)	10 - 50 °C
Storage relative humidity (H-H)	20 - 90%

Logistics data

Harmonized System (HS) code	84733020

Packaging data

Package weight	9.5 kg

Weight & dimensions

Width	244 mm
Depth	244 mm

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