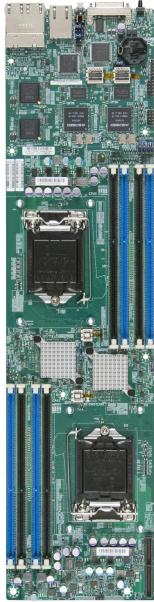# X10SLE-DF (For SuperServer Only)

MicroCloud

Key Features

1. Single socket H3 (LGA 1150) supports
   Intel® Xeon® E3-1200 v3/v4, 4th gen.

   Core i3 processors, 2 nodes per unit

2. Intel® C224 Express PCH

3. Up to 32GB DDR3 ECC 1600MHz
   VLP-UDIMMs in 4 sockets per node

4. Dual GbE (Intel® i350) per node

5. 2 SATA 3.0 Ports per node

6. Integrated IPMI 2.0 and KVM with Dedicated LAN Ports (shared by 2
   nodes)

7. 1 KVM connector for 2 USB 2.0, VGA and COM ports (shared by 2
   nodes)

Links & Resources

Tested Memory List
Tested HDD / SSD List
Tested AOC List
Motherboard Manual
Quick Reference Guide
Update Your BIOS
BMC/IPMI Firmware
Download the Latest Drivers and Utilities
Download Driver CD
OS Compatibility
Optimization

Specifications

Product SKUs

MBD-X10SLE-DF	▪ X10SLE-DF

Physical Stats

Form Factor	▪ Proprietary
Dimensions	▪ 4.6" x 18.5" (11.68cm x 46.99cm)

Processor/Cache

CPU	▪ Intel® 4th Generation Core™ i3 series, Intel® Xeon® processor E3-1200 v3, Intel® Xeon® Processor E3-1200 v4 series. ▪ Single Socket LGA 1150 supported ▪ 8th Gen Intel® Core™ desktop processors are supported with Intel® 300 Series chipset motherboards only

System Memory

Memory Capacity	▪ Up to 32GB Unbuffered ECC UDIMM, DDR3-1600MHz, in 4 DIMM slots ▪ Up to 32GB ECC VLP-UDIMM DDR3-1600MHz per node
Memory Type	▪ 1600/1333/1066/800MHz ECC DDR3 SDRAM 72-bit, 240-pin gold-plated DIMMs
DIMM Sizes	▪ 2GB, 4GB, 8GB
Memory Voltage	▪ 1.35V, 1.5V
Error Detection	▪ Corrects single-bit errors ▪ Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	▪ Intel® C224 Express PCH
SATA	▪ Intel® C224 controller for 2 SATA3 (6 Gbps) ports; RAID 0,1
IPMI	▪ Support for Intelligent Platform Management Interface v.2.0 ▪ IPMI 2.0 with virtual media over LAN and KVM-over-LAN support ▪ ASPEED AST2400 BMC
Network Controllers	▪ Dual LAN with Intel® i350 Gigabit Ethernet Controller Single LAN with 1 Realtek RTL8211E PHY (dedicated IPMI) Shared with 2 Nodes
Graphics	▪ Aspeed AST2400 BMC ▪ via KVM connector

Input / Output

LAN	▪ 2 RJ45 Gigabit Ethernet LAN ports ▪ 1 RJ45 Dedicated IPMI LAN port
USB	▪ 2 USB 2.0 via KVM connector
Video Output	▪ 1 VGA port, ▪ via KVM connector

Serial Port / Header	▪ 1 COM Port (1 rear), via KVM connector
Others	▪ KVM connector for 2 USB 2.0, VGA and COM Ports

Expansion Slots

PCI-E	▪ N/A

System BIOS

BIOS Type	▪ 128Mb SPI Flash EEPROM with AMI BIOS
BIOS Features	▪ DMI (SMBIOS) 2.7 ▪ ACPI 5.0 ▪ USB Keyboard support

Management

Software	▪ IPMI (Intelligent Platform Management Interface) v2.0 with KVM support, IPMI2.0, KVM with dedicated LAN, NMI, SuperDoctor® III, Watchdog
System Management Software	▪ IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support
Power Configurations	▪ ACPI Power Management ▪ Main Switch Override Mechanism ▪ Power-on mode for AC power recovery

PC Health Monitoring

Voltage	▪ +12V, +3.3V, +5V, +5V standby, 3+1 Phase-switching voltage regulator, 3.3V standby, Memory, Memory Voltages, Supports system management utility, System level control, System temperature, VBAT
FAN	▪ Fan speed control, Low noise fan speed control, Overheat LED indication, Pulse Width Modulated (PWM) fan connectors, System level control, Thermal control tachometer fan connectors
Temperature	▪ Monitoring for CPU and chassis environment, CPU thermal trip support, Thermal Monitor 2 (TM2) support, PECI
LED	▪ CPU / System Overheat LED, UID/Remote UID
Other Features	▪ ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, RoHS, UID, WOL

Operating Environment

Operating Temperature Range	▪ 0°C ~ 50°C (32°F ~ 122°F)
Non-Operating Temperature Range	▪ -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	▪ 8% - 90% (non-condensing)
Non-Operating Relative Humidity Range	▪ 5% - 95% (non-condensing)

Parts List

Parts List (Bulk Package)

Name	Part Number	Qty	Description
Motherboard	MBD-X10SLE-DF	1	X10SLE-DF Motherboard

Server (Optimized for X10SLE-DF)

Server Name
SYS-5038ML-H24TRF