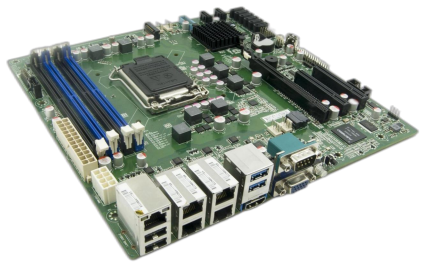
# P10SCM

## Intel C236 Single-Socket Server Motherboard

The P10SCM is a high-performance single-socket server motherboard for Intel Xeon E3-1200 v6/v5 processors. Based on the Intel C236 chipset and Skylake/Kaby Lake platform, it improves device expandability and performance. The design reflects the company's focus on technology, innovation and environmental responsibility, together with its customer-focused service approach. ODM customization is available for customer-specific requirements, providing a tailored IT platform for industry users.



- Intel C236 supports Xeon E3-1200 v6/v5, 7th/6th Gen Core i3/i5/i7, Celeron and Pentium processors.
- Four DDR4 DIMM slots support up to 64GB UDIMM and speeds up to 2400MHz, ECC or non-ECC.
- Three PCIe 3.0 expansion slots provide x8, x8 and x4 electrical lanes.
- One M.2 slot supports PCIe 3.0 x4 or SATA3 in 2242, 2260 or 2280 sizes.
- Eight SATA3 6Gb/s ports support RAID 0, 1, 5 and 10; one DOM power connector is reserved.
- Four Intel I210-AT GbE LAN ports and one dedicated 1GbE IPMI management port.
- IPMI 2.0 supports SOL, KVM over IP, virtual media and device health monitoring.

## 01 Specifications

| | | |
|---|---|---|
| System Controller | CPU | 1 × Socket H4 (LGA1151), Skylake/Kaby Lake; Intel Xeon E3-1200 v6/v5; 7th/6th Gen Intel Core i3/i5/i7, Celeron and Pentium |
| | Chipset | Intel C236 |
| Display | Graphics Controller | Intel CPU integrated graphics / ASPEED AST2400 BMC |
| | Interfaces | 1 × VGA (BMC); 1 × HDMI (CPU integrated graphics) |
| Memory | Type / Slots | 4 × DDR4 UDIMM slots; 2-channel per CPU; ECC and non-ECC |
| | Capacity / Speed | Up to 64GB; 2400/2133/1866/1600MHz |
| Network | Controller | Intel I210-AT enterprise GbE controller |
| | GbE LAN | 4 × RJ-45 GbE ports in two stacked dual-port blocks; 10/100/1000Mbps |
| | IPMI Management | 1 × RJ-45, 10/100/1000Mbps; IPMI 2.0 |
| Storage | SATA | 8 × SATA3 6Gb/s; RAID 0, 1, 5, 10 |
| | DOM | 1 × reserved DOM power connector |
| | M.2 | 1 × M.2 PCIe 3.0 x4 / SATA3; 2242/2260/2280 |
| Expansion | PCIe Slots | 1 × PCIe 3.0 x8 (x16 slot); 1 × PCIe 3.0 x8; 1 × PCIe 3.0 x4 (x8 slot) |
| I/O Ports | Rear I/O | 2 × USB 3.0; 2 × USB 2.0; VGA; HDMI; COM; UID switch with LED; reset switch; 4 × GbE RJ-45; 1 × IPMI RJ-45 |
| | Onboard I/O | 24-pin + 8-pin ATX power; PMBus header; 2 × USB 3.0 headers; 2 × USB 2.0 headers |
| | Onboard I/O | 1 × USB 2.0 Type-A; 6 × 4-pin fan headers; serial header; chassis intrusion header |
| Physical Specs | Dimensions | 9.6 × 9.6 in (24.38 × 24.38cm) |
| Temperature / Humidity | Environmental | Operating: 10°C to 35°C, 8% to 90% RH; storage: −40°C to 70°C, 5% to 95% RH; non-condensing |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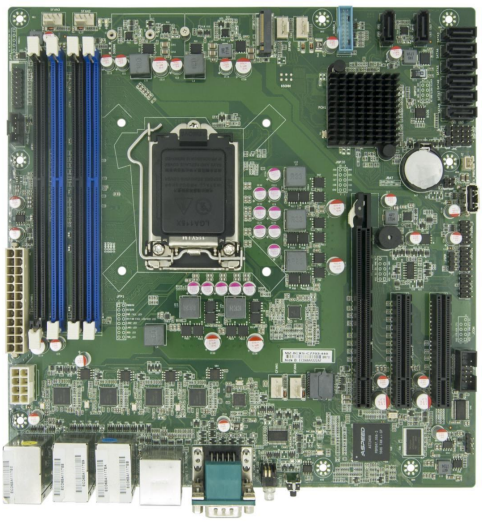
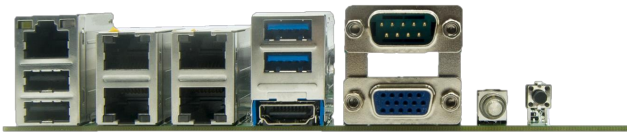
| | | |
|---|---|---|
| Platform | Chipset | Intel C236 |
| Processor | CPU | Intel Xeon E3-1200 v6/v5; 7th/6th Gen Intel Core |
| Memory | Type / Capacity | 4 × DDR4 UDIMM; up to 64GB |
| Dimensions | Size | 9.6 × 9.6 in (24.38 × 24.38cm) |

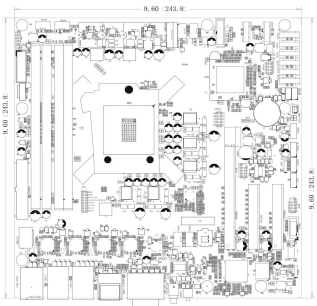
## 02 Product View





IPMI · USB 2.0 · LAN1/2 · LAN3/4 · USB 3.0 · HDMI · VGA · COM · UID + LED · Reset

## 03 Dimensions



## Product Selection

| Model | Configuration |
|---|---|
| P10SCM | Neutral; Intel Xeon E3-1200 v6/v5; 7th/6th Gen Core i3/i5/i7, Celeron/Pentium; C236; 4 × DIMM; 4 × 1GbE RJ-45; IPMI |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