

KINO-DQM170

Mini-ITX SBC supports 6th Intel® Core™ Mobile CPU



Features

- » Mini ITX form factor with 6th Gen Intel® Core™ i7/i5/i3/Celeron® processor support DDR4 memory
- » Support HDMI™ 2.0 (4096x2160@60Hz)
- » Triple display with independent audio via HDMI™
- » PCIe x16, dual PCIe Mini and M.2 A key feature support for various function module
- » Rich High speed I/O interface for USB 3.0 and SATA 6Gb/s
- » Support IEI jumpless

Specifications

| System | |
|--------------------------|--|
| CPU | 6th generation Intel® Core™ mobile processor |
| | Intel® Core™ i7-6820EQ (up to 3.5GHz, quad-core, 8M cache, TDP=45W) |
| | Intel® Core™ i5-6440EQ (up to 3.4GHz, quad-core, 6M cache, TDP=45W) |
| | Intel® Core™ i3-6102E (up to 1.90GHz, dual-core, 3M cache, TDP=25W) |
| | Intel® Celeron® G3902E (up to 1.60GHz, dual-core, 2M cache, TDP=25W) |
| Chipset | Intel® QM170 |
| Memory | Two 260-pin 2133/1866 MHz dual-channel unbuffered DDR4 SDRAM SO-DIMMs |
| Memory Max. | 64GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 170 X 170 |
| Net Weight | 450g |
| Storage | |
| Storage | 4 x SATA :6Gb/s(RAID 0/1/5/10 support) |
| I/O Interface | |
| Display Output | 3 x HDMI™ :2 X 1.4 (up to 4096x2160@24Hz); 1 X 2.0(up to 4096x2160@60Hz); 1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz) |
| Ethernet | 2 x LAN :LAN1: Intel® I219LM with (Intel® AMT 11.0 support) LAN2: Intel® I211 PCIe controller with NCSI support |
| Audio | Description: Realtek ALC662 HD Audio codec supports 5.1-channel 1 x Line out :on rear IO(colay wirh 3 X audio jack) 1 x Mic :on rear IO(colay wirh 3 X audio jack) 1 x Front Audio :2x5 pin |
| I/O Interface | 1 x External RS-232 3 x Internal RS-232 :1x9 pin, P=1.25 2 x Internal RS-232/422/485 :1x9 pin, P=1.25 4 x External USB 3.2 Gen1x1 4 x Internal USB 2.0 :2x4 pin, p=2.0 |

| | |
|-----------------------|--|
| | 1 x PS/2 :1x6 pin, p=2.0 |
| Expansion | 1 x PCIe x16 |
| | 2 x PCIe mini Card Slot :1 x Full-size slot(support mSATA), 1 X Half-size slot |
| | 1 x M.2(NGFF) :2230(A key) |
| Power | |
| Power Consumption | 12V@5.08A (Intel® Core™ i7-6820EQ, 3.5GHz CPU with 16 GB (two 8 GB) 2133 MHz |
| | DDR4 memory) |
| Power Supply | 12V DC input |
| | 1 x External DC jack (4-pin DIN) |
| | 1 x Internal power connector (2x2 pin) |
| | Support AT/ATX mode |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

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|---------------------|---|
| KINO-DQM170-i7-R10 | Mini-ITX SBC supports 6th Intel® Core™ i7-6820EQ processor(45W), HDMI™ 2.0, SATA 6Gb/s, dual Intel® GbE, USB 3.0, PCIe Mini, M.2, HD Audio and RoHS |
| KINO-DQM170-i5-R10 | Mini-ITX SBC supports 6th Intel® Core™ i5-6440EQ processor(45W), HDMI™ 2.0, SATA 6Gb/s, dual Intel® GbE, USB 3.0, PCIe Mini, M.2, HD Audio and RoHS |
| KINO-DQM170-i3E-R10 | Mini-ITX SBC supports 6th Intel® Core™ i3-6102E processor(25W), HDMI™ 2.0, SATA 6Gb/s, dual Intel®GbE, USB 3.0, PCIe Mini, M.2, HD Audio and RoHS |
| KINO-DQM170-CE-R10 | Mini-ITX SBC supports 6th Intel® Celeron® Processor G3902E(25W), HDMI™ 2.0, SATA 6Gb/s, dual Intel®GbE, USB 3.0, PCIe Mini, M.2, HD Audio and RoHS |

Packing List

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|---|----------------|
| 1 x KINO-DQM170 single board computer with CPU cooler | 2 x SATA cable |
| 1 x I/O shielding | 1 x QIG |