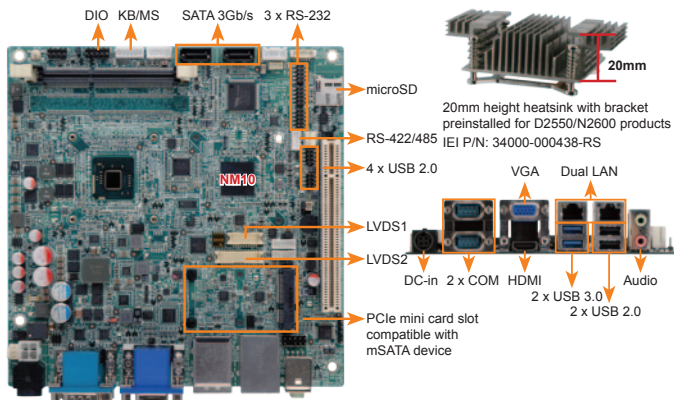


KINO-CV-D25501/N26001

Mini-ITX SBC with Intel® D2550/N2600 Processor, DDR3, VGA/HDMI/Dual LVDS, Dual GbE, USB 3.0, mSATA, SATA 3Gb/s, Audio, RoHS



Features

- Mini-ITX form factor with Intel® D2550/N2600 dual-core processor supports DDR3/DDR3L (1.35V) memory
- Wide range 9V ~ 28V DC input
- Flexible VGA, dual LVDS and HDMI with dual-display support
- Complete I/O: six USB 2.0, two USB 3.0, two SATA 3Gb/s, six COM and audio mSATA SSD capable
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU**
 - 1.86GHz Intel® Atom™ D2550 dual-core processor
 - 1.6GHz Intel® Atom™ N2600 dual-core processor
 - 1.86GHz Intel® Atom™ N2800 dual-core processor (optional)
- Chipset:** Intel® NM10
- BIOS:** UEFI BIOS
- Memory**
 - 1 x 1066MHz DDR3/DDR3L (1.35V) SO-DIMM up to 4GB (D2550 and N2800)
 - 1 x 800MHz DDR3/DDR3L (1.35V) SO-DIMM up to 2GB (N2600)
- Graphics**
 - Intel® GMA 3650 with 640 MHz graphics core speed for D2550 and N2800
 - Intel® GMA 3600 with 400 MHz graphics core speed for N2600
- Display Output**
 - Supports dual LVDS, VGA and HDMI for dual independent display
 - 1 x VGA (up to 2048 x 1536 @75Hz)
 - 1 x HDMI (up to 1920 x 1200 @60Hz)
 - LVDS1 integrated in the D2550/N2600
 - Single-channel 24-bit LVDS by D2550, resolution support up to 1440x900
 - Single-channel 18-bit LVDS by N2600 and N2800, resolution support up to 1366x768
 - LVDS2 supports 24-bit dual-channel by CH7511 DP to LVDS converter
- I/O Interfaces**
 - 5 x RS-232
 - 1 x RS-422/485
 - 6 x USB 2.0
 - 2 x USB 3.0
 - 1 x 6-pin KB/MS
 - 1 x microSD slot (bootable)
 - 2 x SATA 3Gb/s with 5V/12V power connecto
 - Super IO: Fintek F81866
- Ethernet**
 - Dual LAN: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support
- Digital I/O**
 - 8-bit digital I/O (4-bit input, 4-bit output)
- Expansions**
 - 1 x PCIe Mini card slot (compatible with mSATA SSD storage)
 - 1 x PCI slot
- Audio:** Realtek ALC662 HD audio codec
- Watchdog Timer**
 - Software programmable supports 1~255 sec. system reset by Super I/O
- Power Supply**
 - Maximum input voltage range: 9V ~ 28V
 - Recommended operating input voltage range: 12V ~ 24V
- Fan Connector**
 - 1 x External 4-pin DIN DC jack
 - 1 x Internal 4-pin (2x2) power connector
- Power Consumption**
 - 12V@2.8A (1.86GHz Intel® D2550 CPU with DDR3 1333MHz 4GB DIMM)
 - 12V@2.4A (1.6GHz Intel® N2600 CPU with DDR3 1333MHz 2GB DIMM)
- Operating Temperature**
 - 20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D2550 processor
 - 20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N2600 and N2800 processor
- Storage Temperature:** -30°C ~ 80°C
- Operating Humidity**
 - 5% ~ 95%, non-condensing
- Weight:** GW: 600g/NW: 250g

Packing List

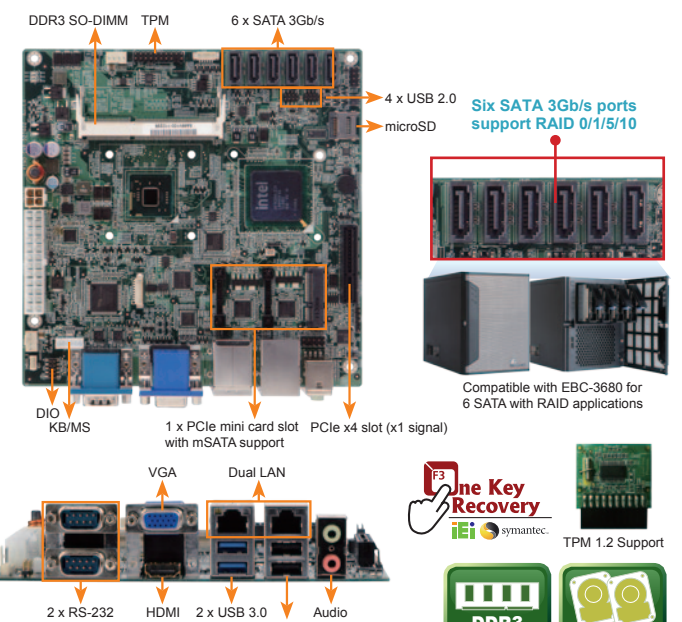
1 x KINO-CV-D25501/N26001 single board computer	
2 x SATA with 5V output cable Kit (P/N: 32801-000100-300-RS)	
1 x Dual-port USB cable (P/N: 19800-003000-200-RS)	1 x Mini jumper pack
1 x I/O shielding (P/N: 45014-0038C0-00-RS)	1 x Utility CD
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
KINO-CV-D25501-R10	Mini-ITX SBC with Intel® Atom™ D2550 1.86GHz, DDR3, VGA/HDMI/dual LVDS, dual GbE, USB 3.0, 9V ~ 28V, SATA 3Gb/s, Audio, RoHS
KINO-CV-N26001-R10	Mini-ITX SBC with Intel® Atom™ N2600 1.6GHz, DDR3, VGA/HDMI/dual LVDS, dual GbE, USB 3.0, 9V ~ 28V, SATA 3Gb/s, Audio, RoHS
KINO-CV-N28001-R10	Mini-ITX SBC with Intel® Atom™ N2800 1.86GHz, DDR3, VGA/HDMI/Dual LVDS, dual GbE, USB 3.0, 9 ~ 28V, SATA 3Gb/s, Audio, RoHS (by project support, MOQ 100pcs / lot)
32205-003800-300-RS	RS-422/485 cable
32000-023800-RS	KB/MS Y cable
19FFD124010HB2A7-000001-RS	CPU fan
34000-000510-RS	30mm higher heatsink

KINO-CVR-D25502/N26002

Mini-ITX SBC with Intel® D2550/N2600 Processor, DDR3, VGA/HDMI, Dual GbE, USB 3.0, SATA 3Gb/s, Audio, RoHS



Features

- Mini-ITX form factor with Intel® D2550/N2600 dual core processor supporting DDR3 memory
- Six SATA 3Gb/s with with RAID 0/1/5/10 support for storage market applications
- Flexible VGA and HDMI with dual-display support
- PCIe Mini card slot is compatible with mSATA SSD storage
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- CPU**
 - 1.86GHz Intel® Atom™ D2550 dual-core processor
 - 1.6GHz Intel® Atom™ N2600 dual-core processor
 - 1.86GHz Intel® Atom™ N2800 dual-core processor (optional)
- Chipset:** Intel® ICH10R
- BIOS:** UEFI BIOS
- Memory**
 - 1 x 1066MHz DDR3 SO-DIMM up to 4GB for D2550 and N2800
 - 1 x 800MHz DDR3 SO-DIMM up to 2GB for N2600
- Graphics**
 - 640MHz graphics core speed for D2550 and N2800
 - 400MHz graphics core speed for N2600
- Display Output**
 - Dual display supported
 - 1 x VGA (up to 2048 x 1536 @75Hz)
 - 1 x HDMI (up to 1920 x 1200 @60Hz)
- Ethernet:** Dual LAN: GbE Intel® 82574L controller
- I/O Interfaces**
 - 2 x RS-232
 - 1 x microSD slot
 - 2 x USB 3.0
 - 6 x USB 2.0
 - 1 x TPM connector (2x10 pin)
 - 6 x SATA 3Gb/s with RAID 0/1/5/10 support
 - Super IO: Fintek F81866
 - Digital I/O: 8-bit digital I/O programmable
- Expansions**
 - 1 x PCIe Mini card (compatible with mSATA SSD storage)
 - 1 x PCIe x4 slot (x1 signal)
- Audio:** Realtek ALC662 HD audio codec
- Watchdog Timer**
 - Software programmable supports 1~255 sec. system reset by Super I/O
- Power Supply**
 - ATX power supply, AT/ATX power mode
- Fan Connector**
 - 1 x 4-pin CPU fan connector
 - 1 x 4-pin system fan connector
- Power Consumption**
 - 5V@1.21A, 12V@0.09A, Vcore_12V@0.32A, 3.3V@0.37A, 5VSB@0.04A (1.86GHz Intel® D2550 with two 1066MHz 2GB DDR3 memory)
- Operating Temperature**
 - 20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D2550 processor
 - 20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N2600 and N2800 processor
- Storage Temperature:** -30°C ~ 80°C
- Operating Humidity**
 - 5% ~ 95%, non-condensing
- Weight:** GW: 600g/NW: 250g

Packing List

1 x KINO-CVR-D25502/N26002 single board computer	
1 x I/O shielding (P/N: 45014-0038C0-01-RS)	1 x Utility CD
6 x SATA cable (P/N: 32000-062800-RS)	1 x Mini jumper pack
1 x One Key Recovery CD	1 x QIG

Ordering Information

Part No.	Description
KINO-CVR-D25502-R10	Mini-ITX SBC with Intel® Atom™ D2550 1.86GHz, DDR3, VGA/HDMI, dual GbE, USB 3.0, SATA 3Gb/s, Audio, RoHS
KINO-CVR-N26002-R10	Mini-ITX SBC with Intel® Atom™ N2600 1.6GHz, DDR3, VGA/HDMI, dual GbE, USB 3.0, SATA 3Gb/s, Audio, RoHS
KINO-CVR-N28002-R10	Mini-ITX SBC with Intel® Atom™ N2800 1.86GHz, DDR3, VGA/HDMI, dual GbE, USB 3.0, SATA 3Gb/s, Audio, RoHS (by project support, MOQ 100pcs / lot)
TPM-IN01-R11	20-pin Infineon TPM module, software management tool, firmware V3.17
32102-000100-200-RS	SATA power cable
19800-003100-300-RS	Dual-port USB cable with bracket
19FFD124010HB2A7-000001-RS	CPU fan
34000-000510-RS	30mm higher heatsink

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