

# KINO-CV-D25501/N26001

Mini-ITX SBC with Intel® D2550/N2600 processor



## 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, audio and mSATA SSD capable
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

|                       |  |
|-----------------------|--|
| CPU Cooler            |  |
| CPU Cooler            | Heatsink                                 |
| Display               |  |
| Display               | Dual display supported                   |
|                       | 1 x VGA                                  |
|                       | 1 x Single-channel 18-bit                |
|                       | (N2600)/24-bit LVDS2 (D2550)             |
|                       | 1 x 24-bit dual-channel LVDS             |
|                       | 1 x HDMI™                                |
| Environment           |  |
| Humidity              | 5% ~ 95%, noncondensing                  |
| 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 processor       |
| Expansion Slots       |  |
| Expansion Slots       | 1 x PCIe Mini Card Slot                  |
|                       | 1 x PCI                                  |
| I/O Interface         |  |
| Audio                 | Realtek ALC662 HD Audio codec            |
| Digital I/O           | 8-bit digital I/O                        |
| Ethernet              | Dual LAN: Realtek RTL8111E PCIe GbE      |
|                       | controller with ASF 2.0 support          |
| I/O Interface         | 5 x RS-232                               |
|                       | 1 x RS-422/485                           |
|                       | 6 x USB 2.0                              |
|                       | 2 x USB 3.0                              |
|                       | 1 x TPM connector (2x10 pin)             |
|                       | 1 x KB/MS by 6-pin header                |
| I/O Interface         |  |
| I/O Interface         | 6 x USB 2.0                              |
|                       | 5 x RS-232                               |

|                       |  |
|-----------------------|--|
|                       | 1 x RS-422/485   |
|                       | 2 x USB 3.0  |
| <b>Power</b>          |  |
| Power consumption     | 12V@2.8A (1.86GHz Intel® D2550 CPU<br>with DDR3 1333MHz 4GB DIMM)  |
|                       | 12V@2.4A (1.6GHz Intel® N2600 CPU<br>with 1333MHz 2GB DDR3 DIMM)   |
| <b>System</b>         |  |
| Chipset               | NM10   |
| CPU                   | Intel® Atom™ Processor D2550   |
|                       | 1.86GHz  |
|                       | Intel® Atom™ Processor N2600 1.6GHz  |
| CPU Socket            | On Board   |
| Memory Max.           | 1 x 204-pin, Max.4GB, 1066 MHz DDR3/<br>DDR3L (1.35V) SO-DIMM (D2550)  |
|                       | 1 x 204-pin, Max.2GB, 800 MHz DDR3/<br>DDR3L (1.35V) SO-DIMM (N2600)   |
| Storage               | 2 x SATA 3Gb/s or<br>1 x SATA 3Gb/s +<br>1 x mSATA<br>1 x microSD slot (bootable)Realtek ALC662 HD Audio codec |
| <b>Watchdog Timer</b> |  |
| Watchdog Timer        | Software programmable and supports 1~255 sec. system reset   |

## Ordering Information

|                    |   |
|--------------------|---|
| KINO-CV-D25501-R10 | Mini ITX SBC with Intel Atom D2550 1.86 G Hz,DDR3,VGA/HDMI™/Dual LVDS,Dual GbE,USB3.0,USB 3.0,9~28v,SATA 3Gb/s,Audio,RoHS |
| KINO-CV-N26001-R10 | Mini ITX SBC with Intel Atom N2600 1.6 G Hz,DDR3,VGA/HDMI™/Dual LVDS,Dual GbE,USB3.0,USB 3.0,9~28v,SATA 3Gb/s,Audio,RoHS  |
| KINO-CV-N28001-R10 | Mini ITX SBC with Intel Atom N2800 1.86 G Hz,DDR3,VGA/HDMI™/Dual LVDS,Dual GbE,USB3.0,USB 3.0,9~28v,SATA 3Gb/s,Audio,RoHS |

## Packing List

|   |                      |
|---|----------------------|
| 1 x KINO-CV-D25501/N26001 single board computer | 1 x I/O shielding    |
| 1 x Dual-port USB cable                         | 1 x Mini jumper pack |
| 2 x SATA with 5V output cable Kit               | 1 x QIG              |