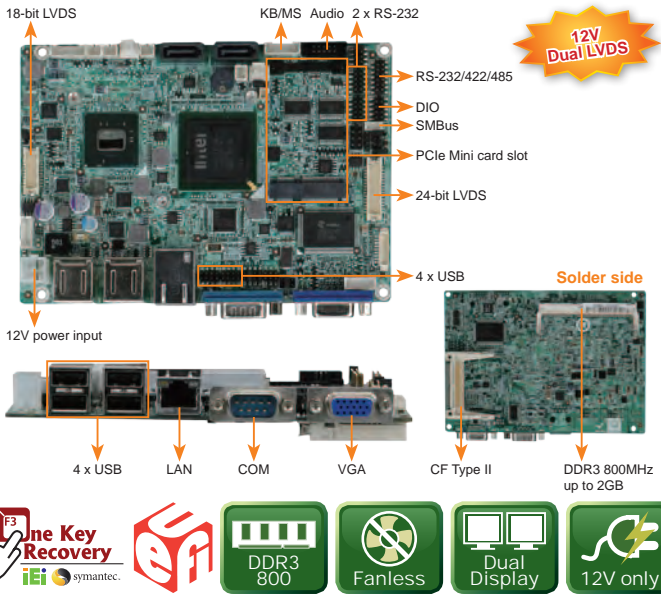


WAFER-PV-D4253/N4553/D5253

3.5" SBC with Intel® Atom™ D425/N455/D525, DDR3, VGA/18-bit+48-bit LVDS, GbE, USB 2.0 and SATA 3Gb/s, Audio, RoHS



Features

1. 3.5" form factor with Intel® Atom™ D525/D425/N455 processor
2. 12V only single voltage design for AT/ATX power
3. Support 24-bit dual-channel LVDS resolution up to 1920x1080
4. Complete I/O with eight USB, two SATA 3Gb/s, one CF Type II, four COM and audio
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
 - Intel® Atom™ D525 dual-core processor 1.8GHz/1MB L2 cache
 - Intel® Atom™ D425 single-core processor 1.8GHz/512KB L2 cache
 - Intel® Atom™ N455 single-core processor 1.66GHz/512KB L2 cache
- ◆ Chipset: Intel® ICH8M
- ◆ BIOS: UEFI BIOS
- ◆ Memory
 - One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (system max. 4GB for D525/D425)
 - One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (system max. 2GB for N455)
- ◆ Graphic
 - GMA 3150
 - Graphic core speed 400MHz for D525/D425
 - Graphic core speed 200MHz for N455
- ◆ Display Interface
 - Analog CRT up to 2048x1536 for D525/D425, 1400 x 1050 for N455
 - Support for CRT hotplug
 - Dual-channel 24-bit LVDS by scaler chip
 - Novatek 68667UFG, resolution support up to 1920x1080
 - Single-channel 18-bit LVDS, resolution support up to WXGA 1366x768 or XGA 1024x768
- ◆ Ethernet
 - LAN: Realtek RTL8111E controllers with ASF2.0 supported support
- ◆ I/O Interfaces
 - 1 x KB/MS 2 x SATA 3Gb/s
 - 8 x USB 2.0 1 x CF Type II
 - 3 x RS-232
 - 1 x RS-232/422/485 with auto flow control
- ◆ Digital I/O: 8-bit digital I/O, 4-bit input/4-bit output
- ◆ Expansion: 1 x PCIe Mini card slot
- ◆ Audio: Realtek ALC888 HD Audio codec
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset by Super I/O
- ◆ Power Supply
 - 12V only, AT/ATX support
- ◆ Super IO
 - Fintek F81865
- ◆ Fan Connector
 - 1 x 3-pin CPU fan, 1 x 3-pin system fan
- ◆ SMBus: 1 x 4-pin wafers connector
- ◆ Power Consumption
 - 12V@1.66A (Intel® Atom™ D525 1.8GHz with DDR3 1GB)
 - ◆ Operating Temperature: -10°C ~ 60°C
 - ◆ Storage Temperature: -20°C ~ 70°C
 - ◆ Operating Humidity: 5% ~ 95%, non-condensing
 - ◆ Weight: GW: 600g/NW: 180g

Packing List

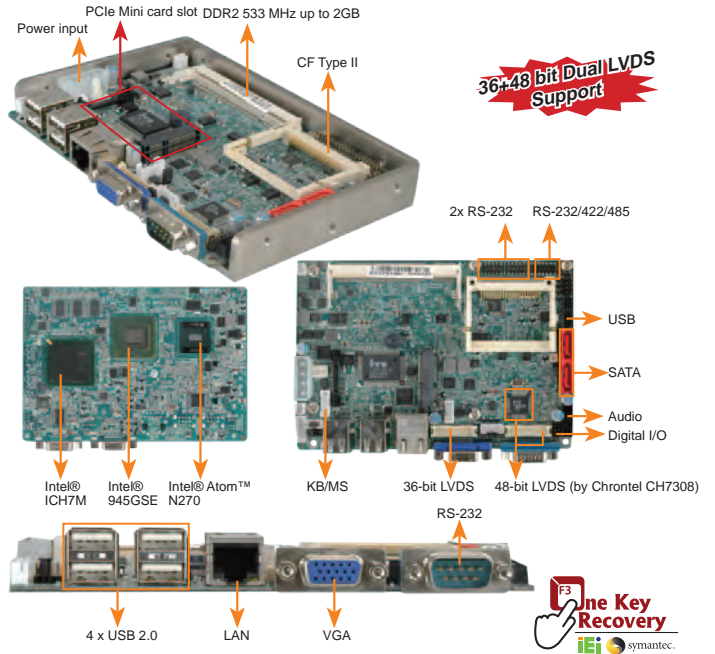
| | |
|--|-----------------------------|
| 1 x WAFER-PV-D4253/N4553/D5253 single board computer | |
| 1 x SATA with 5V output cable (P/N: 32801-000201-300-RS) | |
| 1 x Audio cable (P/N: 32000-072100-RS) | 1 x One Key Recovery CD |
| 1 x KB/MS cable (P/N: 32000-023800-RS) | 1 x Mini jumper pack |
| 1 x Power cable (P/N: 32100-087100-RS) | 1 x Utility CD 1 x QIG |

Ordering Information

| Part No. | Description |
|----------------------------|---|
| WAFER-PV-D5253-R10 | 3.5" SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/18-bit + 48-bit LVDS, GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS |
| WAFER-PV-D4253-R10 | 3.5" SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/18-bit + 48-bit LVDS, GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS |
| WAFER-PV-N4553-R10 | 3.5" SBC with Intel® Atom™ N455 1.66GHz, DDR3, VGA/18-bit + 48-bit LVDS, GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS |
| 32000-070301-RS | Dual port USB cable |
| 32000-062800-RS | SATA cable |
| 32200-026500-RS | RS-232/RS-422/485 cable |
| 32200-000049-RS | RS-232 cable |
| 19FFD124010HB2A7-000001-RS | CPU fan |
| 34000-000510-RS | 30mm higher heatsink |

WAFER-945GSELVDS2

3.5" SBC with Intel® Atom™ processor, 18-bit and 24-bit dual-channel LVDS, four COM ports



Features

1. Intel® Atom™ N270 1.6GHz CPU for ultra low voltage and fanless support
2. Single 5V low power design, 12V for LCD
3. Dual LVDS support 36-bit and 48-bit for dual independent display
4. Support two SATA, four COM, six USB, PCIe Mini card, CF Type II and audio
5. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

- ◆ CPU
 - Intel® Atom™ processor N270 1.6GHz with a 533MHz FSB
- ◆ System Chipset
 - Intel® 945GSE
 - Intel® 82801GBM/ICH7M
- ◆ BIOS
 - AMI BIOS
- ◆ Memory
 - One 200-pin 400/533MHz DDR2 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Ethernet
 - LAN: Realtek RTL8111CP PCIe GbE controller
- ◆ I/O Interface
 - 6 x USB 2.0 2 x SATA
 - 3 x RS-232 1 x RS-232/422/485
 - 1 x PS/2 for KB/MS 1 x CF Type II
- ◆ Digital I/O
 - 8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Expansion
 - 1x PCI Express Mini card
- ◆ Audio
 - Realtek ALC655 with AC'97 codec
- ◆ Display Interface
 - Intel® Graphics Media Accelerator 950
 - VGA integrated in Intel® 945GSE
 - LVDS1: 18-bit dual-channel LVDS integrated in Intel® 945GSE
 - LVDS2: 18/24-bit dual-channel LVDS supported by Chrontel CH7308
- ◆ Power Supply
 - 5V only, 12V for LCD, AT/ATX support
- ◆ Super IO
 - ITE IT8718
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset
- ◆ Power Consumption
 - 5V@2.49A (Intel® Atom™ N270 1.6G with 2GB DDR2)
 - ◆ Operating Temperature: 0°C~ 60°C (32°F~140°F)
 - ◆ Storage Temperature: -10°C ~ 70°C
 - ◆ Operating Humidity: 5% ~95 non-condensing
 - ◆ Dimensions: 146 mm x 102 mm
 - ◆ Weight: GW: 700g/NW: 350g

Packing List

| | |
|---|-----------------------------|
| 1 x WAFER-945GSELVDS2 single board computer | |
| 1 x Audio cable (P/N: 32000-072100-RS) | 1 x Heat spreader |
| 1 x KB/MS cable (P/N: 32000-023800-RS) | 1 x One Key Recovery CD |
| 2 x RS-232 cable (P/N: 32200-000049-RS) | 1 x Mini jumper pack |
| 2 x SATA cable (P/N: 32000-062800-RS) | 1 x Utility CD 1 x QIG |

Ordering Information

| Part No. | Description |
|----------------------------|--|
| WAFER-945GSELVDS2-N270-R10 | 3.5" SBC with Intel® Atom™ N270 1.6GHz, VGA/18-bit and 24-bit dual-channel LVDS, GbE, CF Type II, USB, Audio, SATA |
| 32000-070301-RS | Dual-port USB cable |
| 32200-026500-RS | RS-232/422/485 cable |
| 32102-022100-100-RS | ATX power cable |
| 32102-000100-200-RS | SATA power cable |