

# WAFER-PV- D5252/D4252/N4552

3.5" SBC with Intel® Atom™ D425/N455/D525



## Features

- » 3.5" form factor with Intel® Atom™ D525/D425/N455 processor supports DDR3 memory
- » 12V only single voltage design for AT/ATX power
- » Open frame heatsink thermal design for fanless solutions
- » Support VGA and 18-bit single-channel LVDS with dual display support
- » Complete I/O with eight USB, two SATA 3Gb/s, one CF Type II, six COM and audio
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

Display	
Display	VGA :
	(up to 2048x1536 (D525/D425) or 1400x1050 (N455) @60Hz)
	18-bit single-channel LVDS :
	(up to 1366x768 (D525/D425) or 1024x768 (N455) @60Hz)
Environment	
Humidity	5% ~ 95%, non-condensing
Operating Temperature	-10°C ~ 60°C
Expansion Slots	
Expansion Slots	1 x Full-size PCIe Mini card slot
I/O Interface	
Audio	Realtek ALC662 HD Audio codec
Digital I/O	1 x 8-bit digital I/O (2x5 pin)
Ethernet	LAN1: Realtek RTL8111E controllers with ASF2.0 support
	LAN2: Realtek RTL8111E controllers
I/O Interface	
I/O Interface	1 x KB/MS
	1 x RS-232/422/485
	4 x RS-232
	6 x Internal USB 2.0
Power	
Power consumption	12V@1.79A (Intel® Atom™ D525 with one 1 GB 800 MHz DDR3 memory)
System	
CPU	Intel® Atom™ D525 (1.8GHz, dual-core, 1MB cache)
	Intel® Atom™ D425 (1.8GHz, single-core, 512KB cache)
	Intel® Atom™ N455 (1.66GHz, single-core, 512KB cache)
Memory Max.	One 204-pin 800 MHz DDR3 SDRAM SODIMM slot supports up to 4 GB (D525/D425) or 2 GB (N455)

## Ordering Information

WAFER-PV-D5252-R11	3.5" SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/LVDS, dual GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS
WAFER-PV-D4252-R11	3.5" SBC with Intel® Atom™ D425 1.8GHz, DDR3, VGA/LVDS, dual GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS
WAFER-PV-N4552-R11	3.5" SBC with Intel® Atom™ D455 1.6GHz, DDR3, VGA/LVDS, dual GbE, USB 2.0 and SATA 3Gb/s, audio, RoHS

## Packing List

1 x WAFER-PV-D5252/D4252/N4552 single board computer	1 x Audio cable
1 x Heat spreader	1 x KB/MS cable
1 x Mini jumper pack	1 x Power cable
1 x One Key Recovery CD	1 x Quad RS-232 cable
1 x Utility CD	1 x SATA with 5V output cable
1 x QIG	