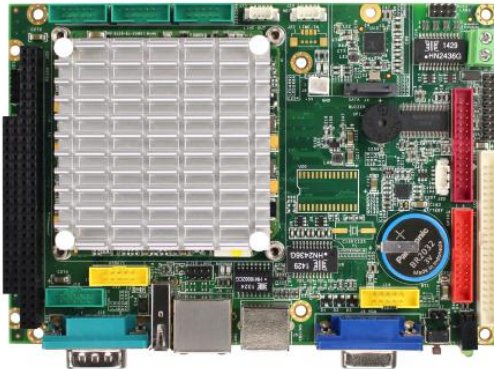


# VDX3-6726



## Specifications

|                       |                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| CPU                   | DM&P SoC Vortex86DX3 1GHz, L1: 32K I-Cache, 32K D-Cache, L2 Cache: 512KB                                                                                                                                                                            |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| RAM                   | 1/2GB DDR3 Onboard                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| BIOS                  | AMI BIOS                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| Bus                   | PC/104 Standard Compliant                                                                                                                                                                                                                           |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| Display               | Integrated 2D VGA chip with Dual Display Support (VGA + TTL / VGA + LVDS)<br>VGA: Maximum resolution up to 1920 x 1080 @ 60Hz<br>LVDS: Maximum resolution up to 1024 x 768 @6 0Hz, single channel 24-bit LVDS                                       |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| LAN                   | Integrated 10/100Mbps Ethernet x1                                                                                                                                                                                                                   | Realtek 8111F GbE x2                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                      |                                           |
| Disk Support          | SATA DOM                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| I/O Interface         | RS232 x4<br>16-bit GPIO x1<br>HD Audio                                                                                                                                                                                                              | USB (ver. 2.0) x4<br>DOS hot SWAP x1 (Optional)                                                                                                                                                                                               | Parallel x1<br>PS/2 touch controller x1 (Optional)                                                                                                                                                                                                   |                                           |
| Connectors            | 2.54mm 4-pin pin header for DC output x1<br>2.0mm 44-pin box header for LCD x1<br>2.0mm 20-pin pin header for LVDS x1<br>2.0mm 8-pin pin header for Ethernet x1<br>2-pin box header for DC 5V output x1<br>15-pin D-Sub female connector for VGA x1 | 2.54mm 2-pin pin header for Reset x1<br>2.0mm 26-pin box header for Parallel x1<br>2.0mm 10-pin box header for USB x2<br>2.0mm 8-pin pin header for GbE x1<br>7-pin SATA connector for SATA DOM x1<br>9-pin D-Sub male connector for RS232 x1 | 2.54mm 104-pin PC/104 connector x1<br>2.0mm 20-pin box header for 16-bit GPIO x1<br>2.0mm 10-pin box header for RS232 x4<br>1.25mm 4-pin wafer connector for Line-out/MIC-in x2<br>RJ45 connector for GbE x1<br>PS/2 connector for Keyboard/Mouse x1 |                                           |
| Power Requirement     | DC+5V @ 1300mA (Typical)                                                                                                                                                                                                                            |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| Operating Temperature | -20°C - +70°C (Single Core)<br>-10°C - +60°C (Dual Core)                                                                                                                                                                                            | -40°C - +85°C (Optional for Single Core)<br>-20°C - +70°C (Optional for Dual Core)                                                                                                                                                            |                                                                                                                                                                                                                                                      |                                           |
| Dimension             | 102 x 146mm                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| Weight                | 150g                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                      |                                           |
| O/S Support           | Windows 7<br>Windows XP Professional<br>POS Ready (WePOS)                                                                                                                                                                                           | Windows Embedded Standard 7<br>Windows Embedded 2009<br>QNX                                                                                                                                                                                   | Windows Embedded Compact 7<br>Linux<br>VxWorks                                                                                                                                                                                                       | Windows Embedded CE6.0<br>DOS<br>Free BSD |

## Ordering Information

| PART NO.       | CPU                     | DRAM (DDR3) | Storage | Display        | LAN | GbE | USB (ver. 2.0) | RS232 | 16-bit GPIO | Parallel | Audio           | Bus    | Touch         |
|----------------|-------------------------|-------------|---------|----------------|-----|-----|----------------|-------|-------------|----------|-----------------|--------|---------------|
| VDX3-6726-1G   | 1GHz                    | 1GB         | SATA    | VGA, LVDS, LCD | 1   | 2   | 5              | 4     | 1           | 1        | Line-out/MIC-in | PC/104 | Not Supported |
| VDX3-6726-1G-T | 1GHz                    | 1GB         | SATA    | VGA, LVDS, LCD | 1   | 2   | 5              | 4     | 1           | 1        | Line-out/MIC-in | PC/104 | 1             |
| VDX3-6726-2G   | 1GHz                    | 2GB         | SATA    | VGA, LVDS, LCD | 1   | 2   | 5              | 4     | 1           | 1        | Line-out/MIC-in | PC/104 | Not Supported |
| VDX3-6726-2G-T | 1GHz                    | 2GB         | SATA    | VGA, LVDS, LCD | 1   | 2   | 5              | 4     | 1           | 1        | Line-out/MIC-in | PC/104 | 1             |
| CABLE-SET-6726 | Cable set for VDX3-6726 |             |         |                |     |     |                |       |             |          |                 |        |               |

## Assured Systems

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