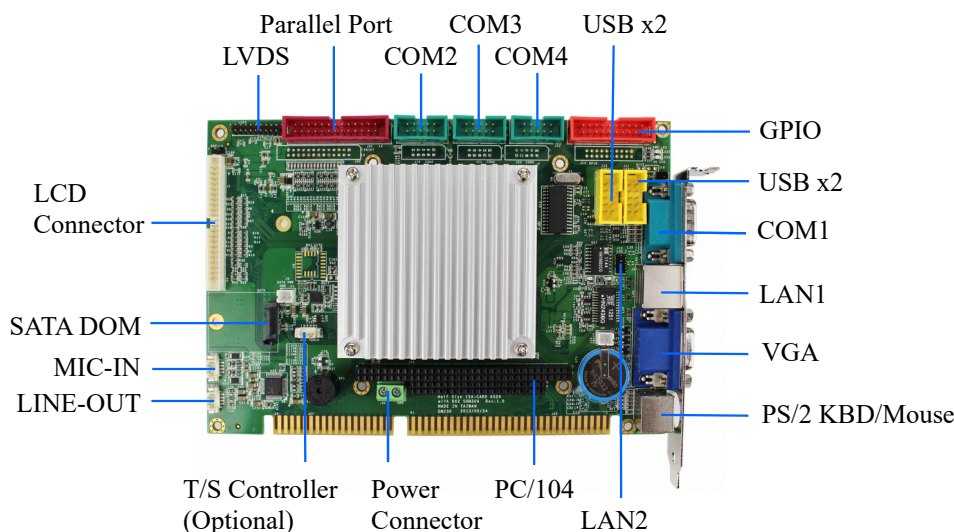




# VDX3-6724

1GB/4S/4USB/VGA/LCD/  
LVDS/2LAN/AUDIO/GPIO



## Specification

|                           |   |   |   |
|---------------------------|---|---|---|
| <b>Processor</b>          | DM&P SoC CPU Vortex86DX3 - 1GHz<br>L1: 16K I-Cache, 32K D-Cache, L2: 512KB Cache  | <b>Power Requirement</b>  | Single Voltage +5V@1000mA   |
| <b>RAM</b>                | 1/2GB DDR3 Onboard  | <b>Weight</b>   | 180g  |
| <b>BIOS</b>               | AMIBIOS   | <b>Dimensions</b>   | 184mm x 122mm (7.24 x 4.80 inches)  |
| <b>Watchdog Timer</b>     | Software programmable from 30.5µs sec. to 512 sec. x 2 sets   | <b>Operating Temp.</b>  | -20°C ~ +70°C<br>-40°C ~ +85°C (Optional)   |
| <b>Display</b>            | Integrated 2D VGA chip with Dual Display Support (VGA + LVDS)<br>VGA: Maximum resolution up to 1920 x 1080 @ 60Hz<br>LVDS: Maximum resolution up to 1024 x 768 @ 60Hz<br>Single channel 24-bit LVDS   | <b>OS Support</b>   | DOS,<br>Windows CE6.0/CE7.0/XP Professional/<br>Embedded Standard(XPE)/Embedded Standard 7<br>POS Ready (WePOS), Embedded Linux, X-Linux,<br>QNX, Waxworks, and FreeBSD |
| <b>LAN</b>                | Integrated 10/100Mbps Ethernet x1<br>Realtek 8111F 10/100/1000Mbps Ethernet x1  | <b>Ordering Information</b>   |   |
| <b>Bus</b>                | PC/104 compliant  | <b>VDX3-6724-1G</b><br>Vortex86DX3 Half-Size CPU Module with 1GB DDR3                     |   |
| <b>Audio</b>              | HD Audio  | <b>VDX3-6724-1G-CF</b><br>Vortex86DX3 Half-Size CPU Module with 1GB DDR3 and CF crad slot |   |
| <b>PWM</b>                | None  | <b>VDX3-6724-2G</b><br>Vortex86DX3 Half-Size CPU Module with 1GB DDR3                     |   |
| <b>Optional Interface</b> | PS/2 Touch Controller x1<br>USB hot SAWP x1   | <b>VDX3-6724-2G-CF</b><br>Vortex86DX3 Half-Size CPU Module with 2GB DDR3 and CF crad slot |   |
| <b>I/O interface</b>      | SATA 7P Connector x1<br>RS232 port x2<br>RS232/485 port x2<br>Parallel port x1<br>USB port (Ver. 2.0) x4<br>16-bit GPIO x1<br>10/100Mbps Ethernet port x1<br>10/100/1000Mbps Ethernet port x1   | <b>CABLE-SET-6724</b><br>Cable set for VDX3-6724  |   |
| <b>Connector</b>          | SATA 7-pin for SATA x1, 2P for SATA Power x1<br>2.54mm 26-pin box header for Printer x1<br>2.54mm 20-pin box header for GPIO x1<br>2.54mm 10-pin box header for USB x2<br>2.54mm 10-pin box header for RS232 x3<br>2.54mm 2-pin header for Reset x1<br>2.00mm 44-pin box header fro LCD x1<br>2.0mm 20-pin header for LVDS x1<br>2.0mm 8-pin header for Ethernet x1<br>1.25mm 4-pin wafer for Line-out/MIC-in x2<br>External RJ-45 connector for Ethernet x1<br>External Mini DIN connector for KBD/Mouse x1<br>External D-Sub 15 pins female connector for VGA x1<br>External D-Sub 9 pins male connector for RS232 x1 |   |   |