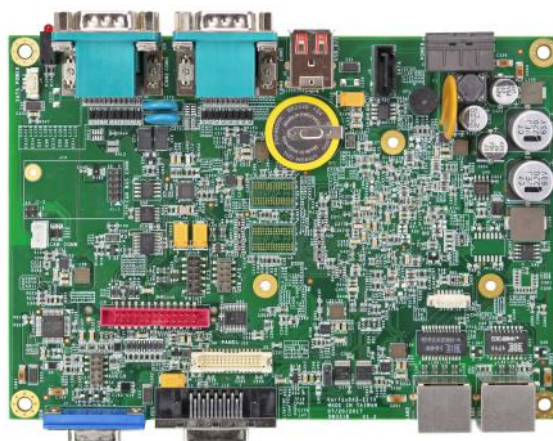


# VDX3-EITX

## Features

- Vortex86DX3 1GHz
- Onboard 1GB DDR3 (upto 2GB)
- 4COM + 6USB + 2LAN + DIO
  - + Audio + 1 Isolated CAN bus (Optional)
- EtherCAT support
- +12 to +24VDC input support
- Load dump test for vehicle applications passed
- Compliant with ISO7637-2 and ISO16750-2



## Specifications

|                       |                                                                                                                                                                                                           |                                                                                                                                                                                       |                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU                   | DM&P SoC Vortex86DX3 1GHz<br>L1: 32K I-Cache, 32K D-Cache, L2 Cache: 512KB                                                                                                                                |                                                                                                                                                                                       |                                                                                                                                                                                           |
| RAM                   | 1/2GB DDR3 Onboard                                                                                                                                                                                        |                                                                                                                                                                                       |                                                                                                                                                                                           |
| BIOS                  | AMI BIOS                                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                                                           |
| Display               | 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, singel channel 24-bit LVDS           |                                                                                                                                                                                       |                                                                                                                                                                                           |
| LAN                   | Integrated 10/100Mbps Ethernet x1   Realtek 8111F 10/100/1000Mbps x1                                                                                                                                      |                                                                                                                                                                                       |                                                                                                                                                                                           |
| Disk Support          | SATA DOM   Compact Flash                                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                                                           |
| I/O Interface         | RS232 x3   RS485 x1   USB x6   CAN x1   Audio x1   DIO x1                                                                                                                                                 |                                                                                                                                                                                       |                                                                                                                                                                                           |
| Connectors            | 1.25mm 30-pin wafer for LCD Panel x1<br>2.0mm 10-pin header for Audio x1<br>2.0mm 26-pin box header for DIO x1<br>D-Sub 15-pin female connector for VGA x1<br>USB connector x2<br>Power terminal block x1 | 2.0mm 10-pin header for USB x2<br>2.0mm 10-pin header for CAN Bus module x1<br>2.54mm 3-pin box header for CAN Bus x1<br>D-Sub 9-pin male connector for RS232 x3<br>RJ45 connector x2 | 2.0mm 4-pin header for CAN Bus module x1<br>26-pin SCSI II D-type female connector for LVDS x1<br>D-Sub 9-pin male connector for RS485 x1<br>SATA 7P for SATA x1<br>Compact Flash slot x1 |
| Power Requirement     | +12 to +24V                                                                                                                                                                                               |                                                                                                                                                                                       |                                                                                                                                                                                           |
| Operating Temperature | -20°C - +70°C   -40°C - +85°C (Optional)                                                                                                                                                                  |                                                                                                                                                                                       |                                                                                                                                                                                           |
| 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<br><br>Windows Embedded CE6.0<br>DOS<br>Free BSD                                                                                           |
| Dimension             | 170 x 120mm                                                                                                                                                                                               |                                                                                                                                                                                       |                                                                                                                                                                                           |
| Weight                | 210 g                                                                                                                                                                                                     |                                                                                                                                                                                       |                                                                                                                                                                                           |

## Ordering Information

| PART NO.        | CPU (MHz) | DRAM (DDR3) | Storage               | Display     | LAN | GigaLAN | USB (Ver. 2.0) | RS232 | RS485 | CAN (Optional) | DIO | Audio              |
|-----------------|-----------|-------------|-----------------------|-------------|-----|---------|----------------|-------|-------|----------------|-----|--------------------|
| VDX3-EITX-7S4E1 | 1GHz      | 1GB         | SATA<br>Compact Flash | VGA<br>LVDS | 1   | 1       | 6              | 3     | 1     | 1              | 1   | MIC-In<br>Line-Out |
| VDX3-EITX-7S5E1 | 1GHz      | 2GB         | SATA<br>Compact Flash | VGA<br>LVDS | 1   | 1       | 6              | 3     | 1     | 1              | 1   | MIC-In<br>Line-Out |



SCSI II D-type connector for LVDS

