

# HMI-043T Open Frame

256MB/2USB/RS232/RS485/  
CAN/GPIO/AUDIO



## Specifications

<b>Processor</b>	DM&P SoC Vortex86EX 400 MHz with FPU
<b>Cache</b>	L1: I/D-Cache 16/16KB, L2:128KB
<b>LCD</b>	4.3" WQVGA TFT LCD with resolution 480(W) x 272(H)
<b>Expansion Slot Support</b>	Available
<b>BIOS</b>	Coreboot BIOS
<b>System Memory</b>	128/256 MB DDR3 Onboard
<b>LAN</b>	Integrated 10/100Mbps Ethernet
<b>Flash Disk Support</b>	8MB SPI Flash onboard (7.5 MB Available) 512MB SLC /8GB MLC eMMC onboard (Optional)
<b>I/O Programmable</b>	USB v2.0 port x2 8-bit GPIO x1 RS-232 x1 RS-485 x2 CAN Bus (2.0A / 2.0B) x1 MIC-IN x1 Speaker (L) x1 Speaker (R) x1
<b>I/O Programmable support to 80 pins (10 ports)</b>	GPIO UART TX/RX UART UART TXDEN x-ISA MCM Printer SPI CAN I <sup>2</sup> C USB Device LAN LED Keyboard WDTOUT CLK OUT MTBF HD Audio
<b>Connectors</b>	1.27mm 32x2-pin female box header for Expansion slot x2 1.25mm 10-pin wafer for 8-bit GPIO x1 1.25mm 6-pin wafer for JTAG x1 0.8mm 5-pin wafer for USB x1 1.25mm 5-pin wafer for USB x1 1.25mm 4-pin wafer for LAN x1 1.25mm 10-pin wafer for RS-232 x1 1.25mm 3-pin wafer for RS-485 x2 1.25mm 4-pin wafer for Touch Screen x1 1.25mm 3-pin wafer for CAN x1 1.25mm 2-pin wafer for Speaker(L) x1 1.25mm 2-pin wafer for Speaker(R) x1 1.25mm 4-pin wafer for MIC-IN x1

<b>Power Requirement</b>	+5VDC@1A
<b>Dimensions</b>	105.5 x 67.2 x 13.6mm (4.15 x 2.65 x 0.54 inches)
<b>Weight</b>	250g
<b>Operating Temperature</b>	-20°C ~ +60°C

## Packing List

- HMI-043T x1

## Ordering Information

- **HMI-043T-EM41N-0** 4.3" HMI OP w/128MB/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **HMI-043T-EM42N-0** 4.3" HMI OP w/256MB/8MBSPI/2U/1S/485/GPIO/SPK/CAN  
(Build to order)
- **HMI-043T-EM41B-0** 4.3" HMI OP /128MB/512MB SLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **HMI-043T-EM42B-0** 4.3" HMI OP /256MB/512MB SLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN  
(Build to order)
- **HMI-043T-EM41F-0** 4.3" HMI OP /128MB/8GB MLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN  
(Build to order)
- **HMI-043T-EM42F-0** 4.3" HMI OP /256MB/8GB MLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN  
(Build to order)
- **CABLE-2650P-SET** HMI-043T Open Frame Cable Set (Optional)  
CABLE-2650P-485-15 x3  
CABLE-2650P-COM-15 x1  
CABLE-2650P-GPIO-15 x1  
CABLE-2650P-LAN-15 x1  
CABLE-2650P-USB-15 x1  
CABLE-2650P-485-15-1 x1