HMI-043T Open Frame

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

Specifications

Processor	DM&P SoC Vortex86EX 400 MHz with FPU
Cache	L1: I/D-Cache 16/16KB, L2:128KB
LCD	4.3" WQVGA TFT LCD with resolution 480(W) x 272(H)
Expansion Slot Support	Available
BIOS	Coreboot BIOS
System Memory	128/256 MB DDR3 Onboard
LAN	Integrated 10/100Mbps Ethernet
Flash Disk Support	8 MB SPI Flash onboard (7.5 MB Available) 512MB SLC / 8GB MLC eMMC onboard (Optional)
I/O Programmable	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
I/O Programmable support to 80 pins (10 ports)	GPIO UART TX/RX UART UART TXDEN x-ISA MCM Printer SPI CAN I²C USB Device LAN LED Keyboard WDTOUT CLK OUT MTBF HD Audio
Connectors	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 Screenx1 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

Power Requirement	+5VDC@1A
Dimensions	105.5 x 67.2 x 13.6mm (4.15 x 2.65 x 0.54 inches)
Weight	250g
Operating Temperature	-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** (Build to order) 4.3" HMI OP w/256MB/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **HMI-043T-EM41B-0** 4.3" HMI OP /128MB/512MB SLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **HMI-043T-EM42B-0** (Build to order) 4.3" HMI OP /256MB/512MB SLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **HMI-043T-EM41F-0** (Build to order) 4.3" HMI OP /128MB/ 8GB MLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **HMI-043T-EM42F-0** (Build to order) 4.3" HMI OP /256MB/ 8GB MLC eMMC/8MBSPI/2U/1S/485/GPIO/SPK/CAN
- **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