

HMI-043T



4.3" WQVGA TFT LCD

- 480x272
- 16.7M

- Vertical 120°, Horizontal 140°
- 300 cd/m2
- 20,000 hrs
- 500:1
- Analog Resistive Touch Screen

DMP Vortex86EXm 400MHz

128MB or 256MB DDRIII Memory onboard

SD Slot or 512MB eMMC Flash Memory onboard (Option)

1x RS-232/485/CAN BUS (optional CAN)

USB ports (Ver2.0) x 1

RJ45 10/100Mbps Ethernet,

Support IEEE 802.3AT, Power Over Ethernet "PoE" /PD (Optional)

Wi-Fi (optional)

+7~24VDC

Operating temperature: 0°C to +50°C (+32°F to +122°F) or -20°C to +60°C (-4°F to +140°F)

- Storage Temperature: -30°C to +70°C (-22°F to +158°F)

0% to 90% Relative Humidity

Non-Condensing

DOS, Linux, Windows CE, RTOS

W 116.4 x H 94.4 x D 34.3 mm or (W 4.58 x H 3.71 x D 1.35 inches)

300g

The 4.3" WQVGA (480×272) PPC-043T is the smallest and most budget friendly in EMAC's x86 Panel PC product offerings, this one has all the benefits of an x86 architecture platform in an industrial package. The PPC-043T is enclosed in a front IP65 bezel, but also available as an open frame version available for companies wanting to integrate with their own branding/style. The PPC-043T offers a flexible solution suited for BMS, heating control, environmental monitoring – literally any application where the power of a PC is beneficial, but costs previously dictated the Panel PC route wasn't an option.

Specifications
Panel PC type:

Enclosed PPC
Processor
Processor:

DMP Vortex86EXm

Clock Speed:

400 MHz

Real Time Clock:

Memory
RAM type:

DDR3 Onboard

Primary Flash:

512MB eMMC (or SD Card Slot)

Memory Misc.:

NAND options of 1GB or 2GB eMMC onboard are Build to Order.

Primary I/O
GPIO.

1x 8-bit GPIO

Audio:

HD Audio-Realtek ALC262 CODEC / Mic-in x1 / SPK-L

SPK-R (connector) x1

Ethernet:

1x 10/100Mbps Ethernet with RJ45

USB:

1x USB 2.0 Ports

Serial Ports:

1x RS-232/485 or CAN

Watchdog:

Secondary I/O
CAN.

1x CAN Bus (Optional)

LPT Port:

Keypad:

PS/2:

Touch:

Analog Resistive

Secondary I/O Misc.:

CAN port option swapped with Serial port

Expansion
Bus.

1x CAN

Analog
A/D.

D/A:

Dimensions
Dimensions.

$4.58 \times 3.71 \times 1.35$ in

Weight:

300 g

Dimensions Misc.:

W 116.4 x H 94.4 x D 34.3 mm (W 4.58 x H 3.71 x D 1.35 inches)

Power Requirements
Voltage.

7 V

Power Misc.:

+7~24VDC

Environmental
Low Operating Temperature:

-20 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Pricing
Product variations:

HMI-043T-41N-B1

HMI-043T-EM41N-B01, 4.3" HMI-043T, Vortex86EX CPU, 128MB RAM, SD card slot, 1xSerial, 1x USB2, 1x 10/100 LAN, DC7-24V

\$156.00

Order:

0

Parent Product:

HMI-043T-41N-B2

HMI-043T-EM41N-B02, 4.3" HMI-043T, Vortex86EX CPU, 128MB RAM, SD card slot, 1xSerial, 1x USB2, 1x 10/100 POE LAN, DC7-

24V

\$174.00

Order:

0

Parent Product:

HMI-043T-41B-B1

HMI-043T-EM41B-B01, 4.3" HMI-043T, Vortex86EX CPU, 128MB RAM, 512MB eMMC Flash, 1xSerial, 1x USB2, 1x 10/100 LAN,

DC7-24V

\$169.00

Order:

0

Parent Product:

HMI-043T-41B-B2

HMI-043T-EM41B-B02, 4.3" HMI-043T, Vortex86EX CPU, 128MB RAM, 512MB eMMC Flash, 1xSerial, 1x USB2, 1x 10/100 POE

LAN, DC7-24V

\$174.00

Order:

0

Parent Product:

HMI-043T-EM42N-B

4.3" HMI-043T, Vortex86EX CPU, 256MB RAM, SD card slot, 1xSerial, 1x USB2, 1x 10/100 LAN, DC7-24V

Build to Order

\$195.00

Order:

0

HMI-043T-EM42B-B

4.3" HMI-043T, Vortex86EX CPU, 256MB RAM, 512MB eMMC Flash, 1xSerial, 1x USB2, 1x 10/100 LAN, DC7-24V

Build to Order

\$208.00

Order:

0

Source URL: <https://www.emacinc.com/content/hmi-043t>