

PEX-090T



9" VGA TFT LCD with Analog Resistive Touch Screen

DM&P Vortex86EX Onboard 400MHz

1GB DDR3 System Memory Onboard

Fanless & Low Power Consumption

Metal Chassis with Compact Design

Micro SD Slot

LCD Resolution: (Pixel) 1024(W) x 600(H)

LCD Colors: 262,144

LCD View Angle: Vertical 120° / Horizontal 140°

LCD Brightness: 300 cd/m2

LCD Backlight Life: 18,000 hrs

LCD Contrast Ratio: 500 : 1

Cache L1: 16KB I-Cache, 16KB D- Cache / L 2: 128KB Cache

2x Watchdog Timer: Software Programmable from 30.5u to 512 Seconds

1x RS-232/422/485 Serial Ports

2x USB 2.0 Ports

1x 10/100 Ethernet Integrated

HD Audio-Realtek ALC262 CODEC

Expansion Slot: None

Power Requirement: Single Voltage +5VDC (5A)

Multi-Voltage: +8~+35VDC (8A)

Power Consumption: 10W

Operating Temperature: -20 to +60° C (-4 to +140°F)

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

Operating Humidity: 0% ~ 90% Relative Humidity, Non-Condensing

Operating System: Linux, Win CE

Dimensions: 236.6x146x35mm (9.31x5.75x1.38 inches)

Weight: 760g

Certificate: CE / FCC / VCCI / Vibration / Shock / IP65 (Front Panel)

PEX-090T is an ultra-compact platform for the present demanding embedded and productive applications. It has new Vortex 86EX CPU which consumes only minimum power requirement when running at 400 MHz, and 1 GB DDR3 Onboard memory provides faster data transfer rate. By using 9" VGA TFT LCD Analog Resistive Touch Screen, PEX-090T becomes the perfect choice for a limited budget. In addition, the integrated 10/100M Ethernet port supplies the communication capability which makes PEX-090T can be more widely used when running with Linux, Windows Embedded environments to become the perfect solution for system integration.

Specifications

Panel PC type.

Enclosed PPC

Processor

Processor:

DM&P Vortex86EX Onboard

Clock Speed:

400 MHz

Real Time Clock:

Processor Misc.:

Fanless & Low Power Consumption

Metal Chassis with Compact Design

Memory

RAM type.

DDR3 Onboard

Primary I/O

Audio.

HD Audio-Realtek ALC262 CODEC

Ethernet:

1x 10/100 Ethernet Integrated

USB:

2x USB 2.0 Ports

Serial Ports:

1x 232/422/485

Watchdog:

Primary I/O Misc.:

2x Watchdog Timer:

Software Programmable from 30.5u to 512 Seconds

Secondary I/O
L1 Port.

Keypad:

PS/2:

Touch:

Analog Resistive Touch Screen

Analog on
A/D.

D/A:

Dimensions
Dimensions.

9.31 × 5.75 × 1.38 in

Weight:

760 g

Power Requirements
Power misc.:

Power Requirement: Single Voltage +5VDC (PEX-090T-5A)

Multi Voltage: +8~+35VDC (PEX-090T-8A)

Power Consumption: 10W

Environmental
Low Operating Temperature:

-20 C

High Operating Temperature:

60 C

Upper Operating Humidity:

90%

Environmental Misc.:

Operating Temperature: -20 to +60° C (-4 to +140°F)

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

Operating Humidity: 0% ~ 90% Relative Humidity, Non-Condensing

Pricing
Product variations:

PEX-090T-5A

PEX-090T, Vortex86EX 400 MHz, 1GB RAM, MicroSD Card, 1x COM, 2x USB2, 1x LAN, 1x Audio, 5V

\$342.00

Order:

0

Parent Product:

PEX-090T-8A

PEX-090T, Vortex86EX 400 MHz, 1GB RAM, MicroSD Card, 1x COM, 2x USB2, 1x LAN, 1x Audio, 8~35V

\$342.00

Order:

Parent Product:

Disk Interface:

Micro SD Slot

Source URL: <https://www.emacinc.com/content/pex-090t>