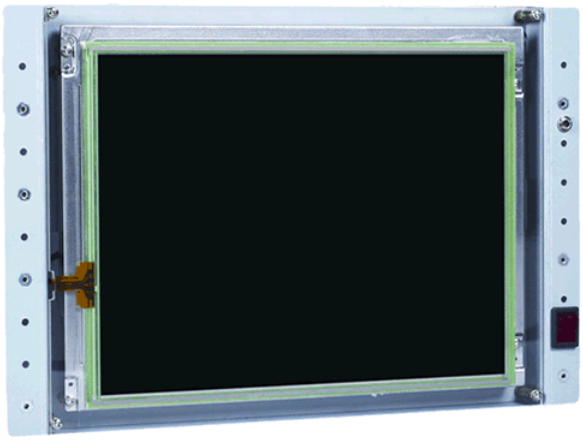
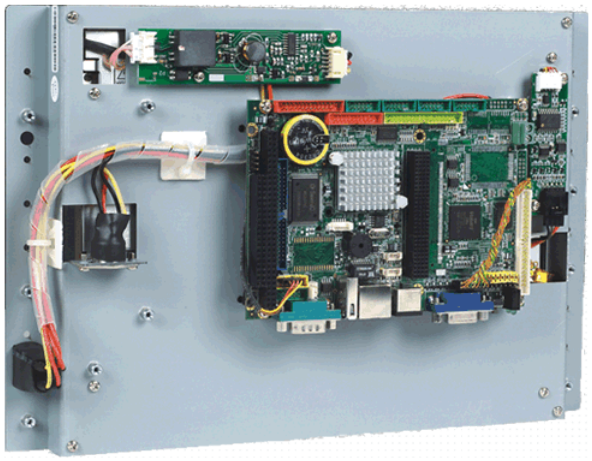
Published on EMAC Inc. (https://www.emacinc.com)
Source URL: https://www.emacinc.com/content/vox-104-tft-lvds-lcd-104-touch

VOX-104 TFT LVDS LCD 10.4" Touch





Fanless DM&P Vortex86DX2 800MHz or Vortex86DX3 1GHz processor.

Based on the VDX3-6726 or VDX2-6526

Inexpensive Open-Frame Design

10/100BaseT Ethernet

4x Serial ports with handshake

3x USB 2.0 Host ports (one USB taken by Touchscreen)

Up to 1 GB of On-Board SDRAM

Audio with Mic-In/Line-In/Line-Out

10" Graphic LCD Interface

SVGA (800 x 600) LCD Resolution

Touchscreen Interface

47 Watt Power Supply Included

EMAC OE embedded operating system with Desktop. (web browser in Kiosk Mode available.)

Windows Embedded Standard Build Image available

Windows CE 6.0 BSP and SDK available

Windows Embedded Compact 7 BSP and SDK available

Can be utilized with other SBCs.

Setting up a Panel PC can be a Puzzling experience. However, when purchased with an Operating System and Compact Flash, the VOX-104 Compact Panel PC comes ready to run. Just apply power and watch either the Linux X Windows or the Windows XP/CE User Interface appear on the vivid color LCD. Interact with the VOX-104 using the responsive integrated touchscreen. Everything works out of the box, allowing you to concentrate on your application, rather than building and configuring device drivers. Just Write-It and Run-It.

Specifications

Panel PC Type:
Open Frame PPC

Processor

Processor:
DM&P Vortex86DX2 or Vortex86DX3
Clock Speed:
800 MHz
Real Time Clock:
Processor Misc.:
Vortex86DX2 at 800 MHz

Vortex86DX3 at 1GHz

Memory

RAM Type:
512 MB or 1 GB DDR2 Onboard
BIOS/ Bootloader:
AMI BIOS
Primary Flash:
SATA DOM
Memory Misc.:
SATA

Primary I/O

GPIO:
16x GPIO Lines
Video Out:
VGA
TFT or LVDS ouput with 16MB or 32MB of Video Memory
Audio:
ALC 262 (HD Audio) with Mic-In/Line-In/Line-Out
Ethernet:

1x 10/100 Base-T Ethernet with on-Board RJ-45 connector 2x 10/100/1000 LAN headers
USB:
3x USB 2.0 Ports
Serial Ports:
4x RS232/422/485
Watchdog:
Primary I/O Misc.:
Additional I/O: standard parallel printer port

Touchscreen

Type: 4 Wire Analog Resistive

Resolution: Continuous

Controller: External USB

Driver: WinCE, XP, Linux

Durability: Over one million touches

Secondary I/O

LPT Port:
Keypad:
PS/2:
Touch:
1x 4-wire Resistive Touch Screen Interface

Expansion

Bus:
PC/104

Analog

A/D:
D/A:

Dimensions

Dimensions:
11.92 × 8.03 × 2.45 in

Power Requirements

Power Misc.:
Power Supply Voltage: +5 & +12 Vdc.

Power Consumption: ~16 Watts

Environmental

Low Operating Temperature:
0 C
High Operating Temperature:
50 C
Environmental Misc.:
Wide temperature options aviliable

Pricing

Product Variations:
VOX-104-0300
10" OPEN FRAME PPC W/TOUCHSCREEN Vortex86DX 933MHz 512MB RAM & PS
$655.00
Parent Product:

VOX-104-TSD3-1G
10.4" OpenFrame PPC with Touchscreen, Vortex86DX3 1GHz, 1GB RAM, SATA, 4x COM, 4x USB2, 2x GbE LAN, 1x 10/100 LAN, PC/104, VGA, 0 to 50°
$720.00
Order:
0
VOX-104-TSD2512
10.4" OpenFrame PPC with Touchscreen, Vortex86DX2 800MHz, 512MB RAM, SATA, 4x COM, 4x USB2, 2x GbE LAN, 1x 10/100 LAN, PC/104, VGA, 0 to 50°
$698.00
Order:
0
Disk Interface:
1x SATA

Source URL: https://www.emacinc.com/content/vox-104-tft-lvds-lcd-104-touch