

eTOP-EPC1245T Tech-Note

The 12.1" XGA fanless panel PC APPC 1245T incorporating an industrial motherboard is intended for versatile industrial applications. APPC 1245T supports 1024 x 768 (XGA) resolution and 500-nit brightness. The front panel which adopts flush design and complies with IP65 standard makes it the perfect fit in industrial applications. This APPC series supports WWAN/WLAN expansion and others via dual Gigabit Ethernet connectors, two mini-PCIe slots and one SIM card holder.

With support for wide power input of 12~30VDC, this APPC series can gain a strong foothold in industrial field and machine devices. In addition, this APPC series can hook 2nd display via a VGA port for dual independent display. APPC 1245T has two isolated RS232/422/485 ports.



- 4:3 12.1" XGA fanless LED panel computer
- Intel® Celeron® J1900, Quad Core, low consumption CPU
- Flush panel by 5-wire touch screen
- Dual GbE/2nd display-VGA/Line-out/PS2 KB/MS
- 3 x USB/2 x mini-PCIe sockets/1 x CFast/2 x RS232/422/485
- DDR3L 4GB/2.5" HDD bracket
- IP65 compliant front panel
- Mounting support: panel/wall/stand/VESA

Specifications

Panel

LCD size: 12.1", 4:3
 Resolution: XGA 1024 x 768
 Luminance: 500cd/m2
 Contrast ratio: 700
 LCD color: 16.2M
 Viewing angle: 80 (U), 80 (D), 80 (L), 80 (R)
 Backlight: LED

Touch Screen

5-wire resistive (flush panel type)
 Light transmission: 80%
 Interface: USB

System

CPU: on-board Intel® Celeron® Quad Core processor J1900 processor, up to 2.42GHz, 2M L2 cache
 BIOS: AMI BIOS
 System memory: 2 x 204-pin DDR3L SO-DIMM socket, 4GB DDR3L (default), support up to 8GB DDR3L-1066/1333, non-ECC and un-buffered
 Storage device:
 - 1 x external locked CFast socket
 - 1 x hard drive bay: optional 1 x 2.5" SATA HDD or 1 x SATA DOM
 Watchdog timer: Watchdog timeout can be programmable by

software from 1 second to 255 seconds and from 1 minute to 255 minutes (tolerance 15% under room temperature 25°C)
 H/W status monitor: monitoring system temperature, and voltage
 Expansion: 2 x mini-PCIe sockets (support optional Wi-Fi, 3.5G module)

Rear I/O

Ethernet: 2 x RJ45
 2nd display VGA port: 1 x DB15
 Audio port: 1 x Line-out
 USB: 2 x USB 2.0 + 1 x USB 3.0
 PS2 keyboard/mouse
 Power switch
 Reset button
 2-pin remote power on/off switch
 COM #1: RS232/422/485 w/ 2.5kv isolated
 COM #2: RS232/422/485 w/ 2.5kv isolated

Audio

HD audio codec: realtek ALC886-GR
 Audio interface: Line-out

