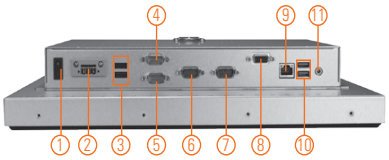
FDK172-834

17" SXGA TFT Open Frame Panel Computer with Intel® Celeron® Processor J1900

Features

- Front panel open frame design
- Outstanding configuration flexibility delivering best ROI
- 17" SXGA TFT LCD display
- Intel® Celeron® processor J1900 2.0 GHz (Bay Trail-D)
- Resistive touchscreen optional
- Supports VESA arm and open frame mount
- Two PCI Express Mini card slots
- RS-232/422/485 selectable via BIOS

▲ Rear view



1. Power switch (ATX)
2. Terminal block for DC power input or screw connector with AC adapter
3. 2 x USB 2.0
4. RS-232/422/485
5. RS-232/422/485
6. RS-232/422/485
7. RS-232/422/485
8. 1 x VGA
9. 1 x LAN
10. 2 x USB 3.0
11. Audio (Line-out)

Introduction

The FDK172-834 is an open frame panel computer with outstanding flexibility, configurable in a variety of ways to deliver best ROI for a variety of applications. It features Intel® Celeron® processor J1900 2.0 GHz with a 17" LCD display with up to 1280 x 1024 resolution, providing a very cost effective low power solution.

Slim design
Designed to integrate into your custom enclosure, this 17-inch open frame unit offers an open frame slim design architecture for easy fit. The FDK172-834 is ideal for indoor kiosk, HMI, automation, signage and other applications. The system is only 65 mm deep and provides narrow bezel widths of 13-15 mm for space-saving custom bezels and enclosure applications.

Touchscreen option
A resistive touchscreen option is available for interactive user interface requirements. Optionally, when ordered without touchscreen you get an even lower cost solution for dynamic signage or informational applications.

RS-232/422/485 adjustment & PCIe Mini Card slot
It is user friendly to adjust RS-232/422/485 setting via BIOS instead of adjusting it via jumper. Dual PCI Express Mini Card slots are standard for I/O expansion such as Wi-Fi, 3G connection, or other 3rd party I/O cards.

Specifications

LCD Panel	Display Type	17" SXGA TFT LCD
	Brightness (cd/m²)	250 nits
	Resolution	1280 x 1024
	Viewing Angle (H/V)	170°/160°
Main System	CPU	Intel® Celeron® processor J1900 4C@2.0 GHz
	Chipset	SoC integrated
	System Memory	1 x 204-pin DDR3L-1333/1600 SO-DIMM, up to 8GB
	BIOS	AMI UEFI BIOS
	Storage	1 x 2.5" SATA HDD (9.5 mm height) 1 x CFast™ or 1 x mSATA
	Watchdog Timer	255 levels, 0 to 255 sec.
	Onboard Graphics	Integrated Intel® GFX

Updated Aug. 28, 2019.

* All specifications and photos are subject to change without notice.

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Specifications

I/O Connector	4 x RS-232/422/485 (default RS-232) 1 x 10/100/1000 Mbps Ethernet (Intel® i210-IT) 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA
Expansion Interface	2 x PCI Express Mini Card slot
Touchscreen	Resistive type (optional)
Power Supply	DC version: 12 to 36 VDC with over-current protection fuse AC version: 100 to 240 VAC-DC 60W power adapter
Power Consumption	57.60W
Dimensions	367 mm (14.45") (W) x 65 mm (2.6") (D) x 304.5 mm (11.99") (H) (FDK172-834-N, without touch) 367 mm (14.45") (W) x 69.8 mm (2.74") (D) x 304.5 mm (11.99") (H) (FDK172-834-R, with touch)
Packing Dimensions	510 mm (20.08") (W) x 190 mm (7.48") (D) x 540 mm (21.26") (H)
Weight (net/gross)	5.52 kg (12.16 lb)/7.5 kg (16.53 lb)
Operating Temperature	0°C to +50°C (+32°F to +122°F)
Relative Humidity	10% to 90% @40°C, non-condensing
Certifications	CE

* Specification and certifications are based on options and may vary.

** W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Packing List

1 x FDK172-834 DC
1 x Driver CD
1 x Phoenix connector (FDK172-834 DC)

Ordering Information

FDK172-834-R-DC	17" SXGA open frame touch panel computer with Intel® Celeron® processor J1900, 5-wire resistive touch screen, and 12 to 36 VDC power input (terminal block connector)
FDK172-834-N-DC	17" SXGA open frame panel computer with Intel® Celeron® processor J1900 and 12 to 36 VDC power input (terminal block connector)

* Specifications and certifications may vary based on different requirements.

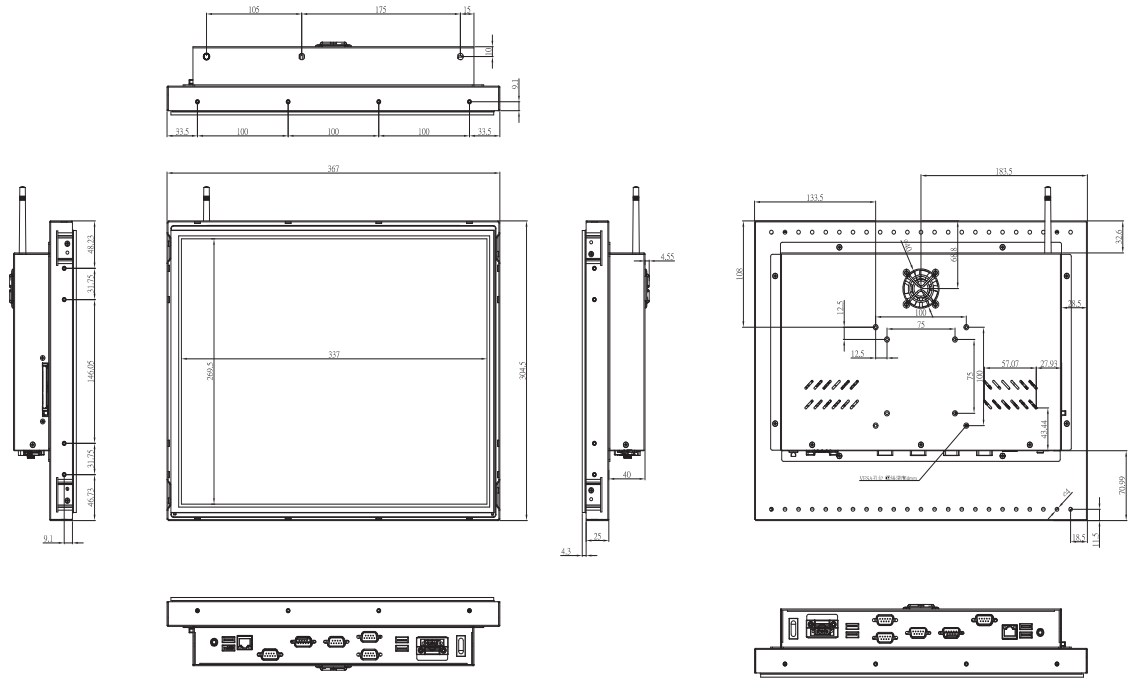
Optional OS Installation

WES7
WE8S
Windows® 8
Windows® 7

▲ Rear view

▲ Side view

Dimensions



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