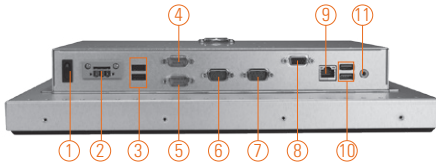
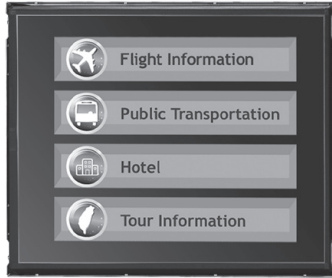


# FDK172-834

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



- |  |                           |
|--|---------------------------|
| 1. Power Switch (ATX)  | 6. COM 1 (RS-232/422/485) |
| 2. Terminal block for DC power input or screw conn. w/AC adapter | 7. COM 2 (RS-232/422/485) |
| 3. 2 x USB 2.0   | 8. 1 x VGA                |
| 4. COM 3 (RS-232/422/485)  | 9. 1 x Ethernet (RJ-45)   |
| 5. COM 4 (RS-232/422/485)  | 10. 2 x USB 3.0           |
|  | 11. 1 x Audio (Line-out)  |



## Introduction

The FDK172-834 is an open frame display 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 65mm deep and provides narrow bezel widths of 13 ~ 15mm 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 PCIe Mini Card slots are standard for I/O expansion such as Wi-Fi, 3G connection, or other 3rd party I/O cards.

## 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)
- Touchscreen optional
- Changeable front bezel
- Supports VESA arm and open frame mount
- Dual PCIe Mini card slots
- Adjust RS-232/422/485 via BIOS



▲ Rear view

## Specifications

LCD Panel	Display Type	17" SXGA TFT LCD
	Brightness (cd/m <sup>2</sup> )	250 nits
	Resolution	1280 x 1024
	Viewing Angle (H/V)	170°/160°
Main System	CPU	Intel® Bay Trail-D Celeron® Processor J1900 4C@2.0GHz
	Chipset	SoC integrated
	System Memory	1 x 204-pin DDR3L 1333 and 1600 MT/s SO-DIMM up to 8 GB
	BIOS	AMI UEFI BIOS
	Storage	1 x 2.5" SATA HDD 1 x CFast™ or 1 x mSATA
	Watchdog Timer	255 levels, 0-255 sec.
	Onboard Graphics	Integrated Intel® GFX

Архангельск (8182)63-90-72  
Астана +7(7172)727-132  
Белгород (4722)40-23-64  
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Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
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Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41

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Ставрополь (8652)20-65-13  
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Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

## Specifications

I/O Connector	4 x RS-232/422/485 (default RS-232 (COM 1/2/3/4)) 1 x 10/100/1000Mbps Ethernet 2 x USB 3.0 2 x USB 2.0 1 x Audio (Line-out) 1 x VGA
Expansion Interface	2 x PCIe Mini Card slots
Touchscreen	Resistive type (optional)
Power Supply	1. DC version : 12-36VDC with over-current protection fuse 2. AC version : 100-240V AC-DC 60W power adapter
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)
Environment	Operating temperature: 0° ~ +50°C (+32°F ~ +122°F) Relative humidity: 10% ~ 90% @ 40°C, non-condensing
Certificate	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.

## Ordering Information

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

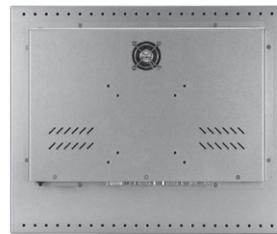
\* Specification and certifications are based on options and may vary.

## Optional OS Installation

WES7

WE8S

Windows® 8 & Windows® 7

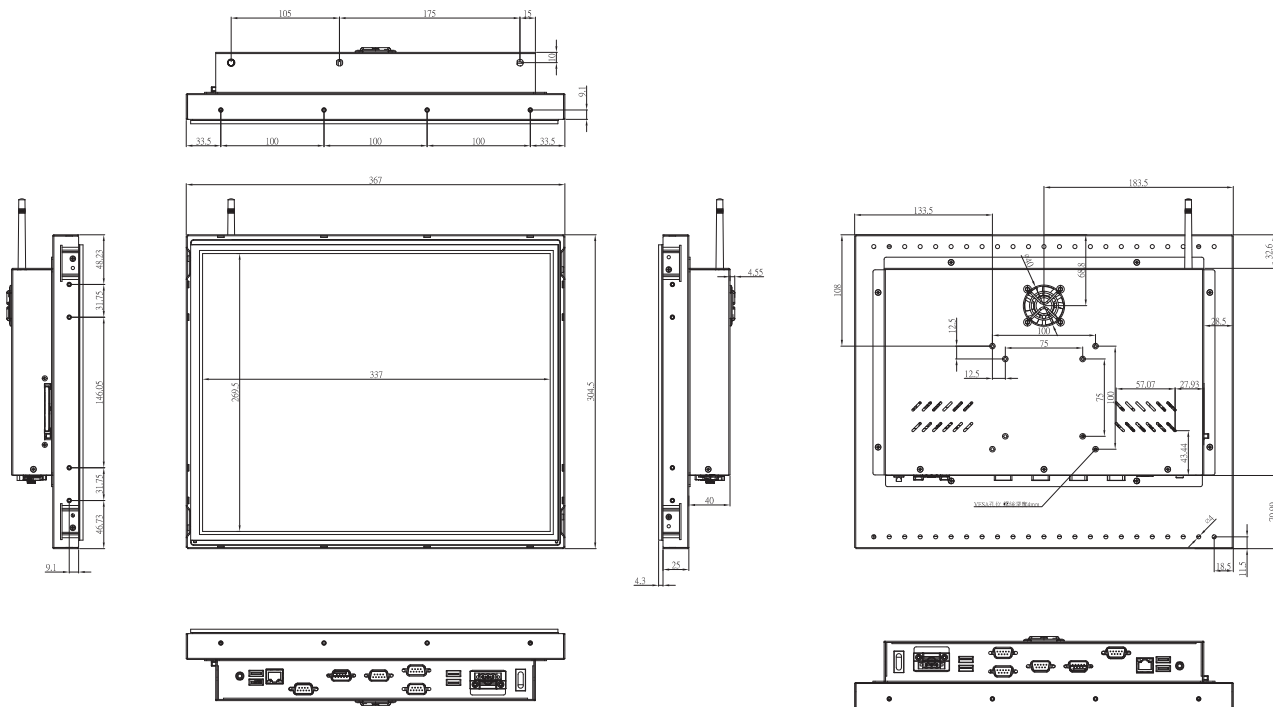


▲ Rear view



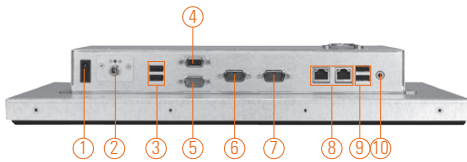
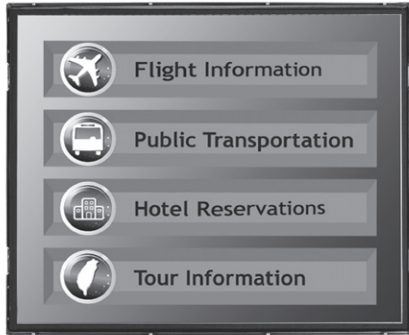
▲ Side view

## Dimensions



# FDK191-832

19" SXGA TFT Open Frame Panel Computer  
with Intel® Atom™ Processor D2550



1. Power Switch (ATX)
2. 1 x 12VDC Power input connector or 24V DC phoenix connector
3. 2 x USB 2.0
4. 1 x VGA
5. COM 3 (RS-232)
6. COM 1 (RS-232/422/485)
7. COM 2 (RS-232)
8. 2 x ETHERNET (RJ-45)
9. 2 x USB 2.0
10. 1 x Audio (LINE-OUT)

## Features

- Front panel open frame design
- 19" SXGA TFT LCD display
- Intel® Atom™ processor D2550 1.86 GHz
- Touchscreen (optional)
- Changeable front bezel
- Supports VESA arm and open frame mount



CompactFlash™ slot

▲ Rear view



## Introduction

The FDK191-832 is an open frame display panel computer with outstanding flexibility, configurable in a variety of ways to deliver best ROI for a variety of applications. It features Intel® Atom™ processor D2550 1.86 GHz with a 19" LCD display with up to 1280 x 1024 resolution, providing a very cost effective low power solution.

### Ultra slim design

Designed to integrate into your custom enclosure, this unit offers an open frame slim design architecture for easy fit. The FDK191-832 is ideal for indoor kiosk, HMI automation, signage and other applications. The system is only 65mm deep and provides narrow bezel widths of 13 ~ 15mm 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.

### Brightness adjustment & PCIe Mini Card slot

The hidden but accessible brightness adjustment on back cover protects against end user access. One PCIe Mini Card slot is standard for I/O expansion such as Wi-Fi, 3G connection, or other 3rd party I/O cards.

## Specifications

LCD Panel	Display Type	19" SXGA TFT LCD
	Brightness (cd/m <sup>2</sup> )	250 nits
	Resolution	1280 x 1024
	Viewing Angle(H/V)	170°/160°
Main System	CPU	Intel® Atom™ processor D2550 1.86 GHz with FSB 533 MHz
	Chipset	Intel® NM10 Express
	System Memory	1 x 204-pin DDR3 800/1066 MHz SO-DIMM max. up to 4 GB
	BIOS	AMI UEFI BIOS
	Storage	1 x 2.5" SATA HDD 1 x CompactFlash™
	Watchdog Timer	255 levels, 0-255 sec.
	Onboard Graphics	Integrated GFX

## Specifications

I/O Connector	1 x RS-232/422/485 (default RS-232 (COM 1)) 2 x RS-232 (COM 2/3) 2 x 10/100/1000Mbps Ethernet 4 x USB 2.0 1 x Audio (Line-out) 1 x VGA 1 x VR (brightness adjustment)
Expansion Interface	1 x PCIe Mini Card
Touchscreen	Resistive type (optional)
Power Supply	12/24 VDC
Dimensions	404.5 mm (15.92") (W) x 63.3 mm (2.49") (D) x 332 mm (13.07") (H)
Packing Dimensions	510 mm (20.08") (W) x 190 mm (7.48") (D) x 540 mm (21.26") (H)
Weight (net/gross)	6kg (13.23lb)/ 8.06 kg (17.77lb)
Environment	Operating temperature: 0° ~ +50°C (+32°F ~ +122°F) Relative humidity: 10-90%@40°C, non-considering
Certificate	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.

## Ordering Information

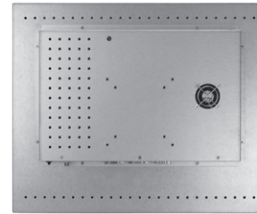
FDK191-832-R-DC	19" SXGA open frame panel computer with Intel® Atom™ processor D2550, 5-wire resistive touch screen, and 12 or 24VDC power input (terminal block connector)
FDK191-832-N-DC	19" SXGA open frame touch panel computer with Intel® Atom™ processor D2550, 5-wire resistive touch screen, and 12 or 24VDC power input (terminal block connector)
50966A23040E	Power adapter, 70W, 110-230VAC to 24VDC

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

## Optional OS Installation

Windows® 7

WEBS

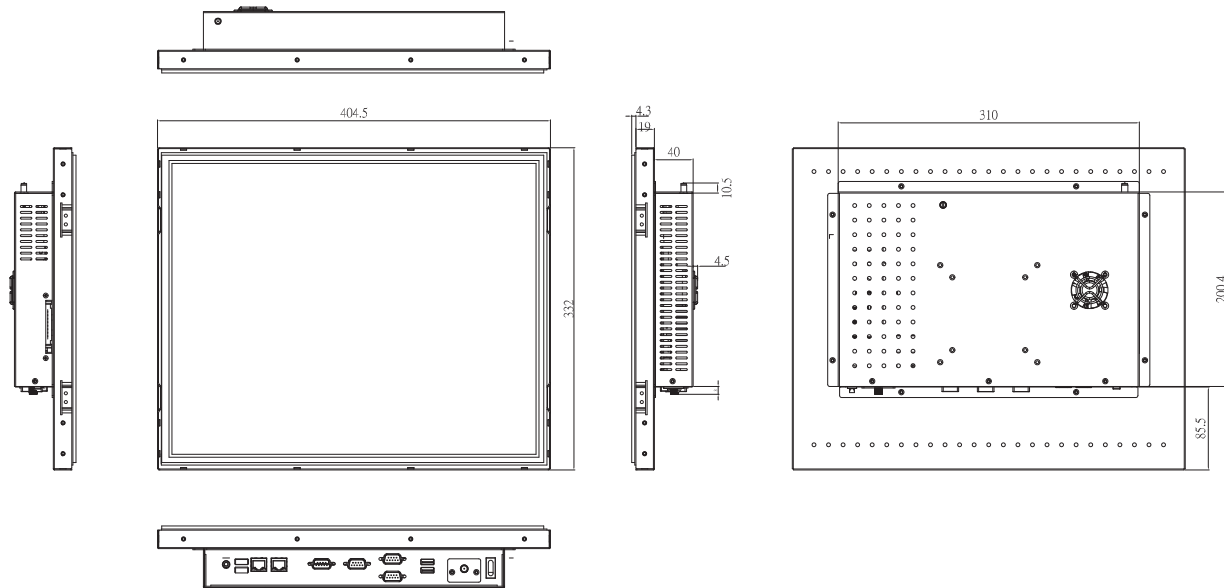


▲ Rear view



▲ Side view

## Dimensions



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