# FDK190-830

# 19" SXGATFT Open Frame Panel Computer





- 1. Power switch (ATX)
- 2. Power input connector
- 3. USB 2.0 x 2
- 4. COM 4 (RS-232)
- 5. COM 3 (RS-232)
- 6. COM 1 (RS-232/422/485)
- 7. COM 2 (RS-232)
- 8. VGA
- 9. Ethernet
- 10. USB 2.0 x 2
- 11. Audio (Line-out)

# **Features**

- Front panel open frame design
- Outstanding configuration flexibility delivering best ROI
- 19" SXGA TFT LCD display
- Intel<sup>®</sup> Atom<sup>™</sup> processor N270 1.6 GHz
- Touchscreen optional
- Changeable front bezel
- Supports VESA arm and open frame mount



▲ Rear view



#### Introduction

The FDK190-830 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 N270 1.6 GHz with a 19" LCD display with up to 1280x 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 FDK190-830 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 & PCle Mini Card slot

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

#### **Specifications**

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LCD Panel	Display Type	19" SXGA TFT LCD
	Brightness (cd/m²)	250 nits
	Resolution	1280 x 1024
	Viewing Angle (H/V)	160°/130°
Main System	CPU	Intel® Atom™ processor N270
		1.6 GHz with FSB 533 MHz
	Chipset	Intel® 945GSE + ICH7M
	System	1 x 200-pin DDR2 SO-DIMM max.
	Memory	up to 2 GB
	BIOS	AMI 8 Mbit with RPL/PXE LAN
		boot ROM
	Storage	1 x 2.5" SATA HDD
		1 x CompactFlash™
	Watchdog Timer	255 levels, 0~255 sec.
	Onboard Graphics	Integrated in Intel® 945GSE
I/O Connector	1 x RS-232/422/485 (COM 1)	
	3 x RS-232 (COM 2 ~ 4)	
	1 x 10/100/1000Mbps Ethernet	
	4 x USB 2.0	
	1 x Audio (Line-out)	
	1 x VGA	
	1 x VR (brightness adjustment)	

<sup>\*</sup> All specifications and photos are subject to change without notice.

# **Specifications**

Expansion Interface	1 x PCle Mini Card	
Touchscreen	Resistive type (optional)	
Power Supply	12/24 VDC	
Dimensions	404.5 mm (15.92") (W) x 65 mm (2.6") (D)	
	x 332 mm (13.07") (H) (FDK190-830-N, without touch)	
	404.5 mm (15.92") (W) x 69.8 mm (2.74") (D)	
	x 332 mm (13.07") (H) (FDK190-830-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)	5.82 kg (12.83 lb)/7.86 kg (17.32 lb)	
Environment	Operating temperature: 0° ~ +50°C (32°F ~ 122°F)	
	Relative humidity: 10% ~ 95% @ 40°C, non-condensing	
Certification	CE	

<sup>\*</sup> Specification and certifications are based on options and may vary.

# **Ordering Information**

FDK190-830-N	19" TFT open frame panel computer
FDK190-830-R	19" TFT open frame touch panel computer
50966A23040E	Power adapter, 70W, 110-230VAC to 24VDC

<sup>\*</sup> Specification and certifications are based on options and may vary.

## **Optional OS Installation**

Wind	lows® XP
Wind	lows® 7
Linux	Kernel 2.6





▲ Side view

### Overview

Industrial Panel Computers & Monitors

Heavy-duty Fanless Touch Panel Computers

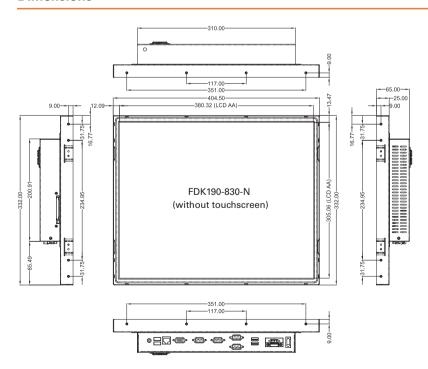
> Digital Signage Solutions

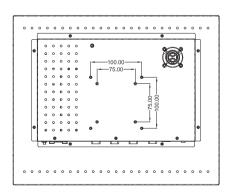
Healthcare & Medical Solutions

Open Frame Computers

Accessories

#### **Dimensions**





For dimensions of FDK190-830-R (with touchscreen), please refer to user manuals.

<sup>\*\*</sup> W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

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