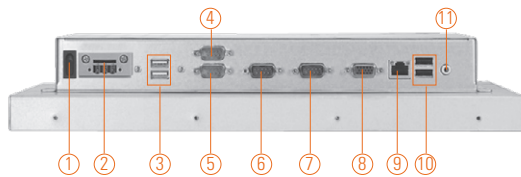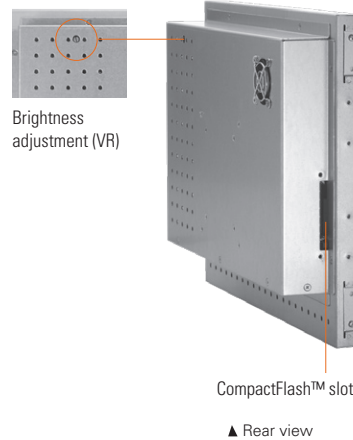# FDK170-830

17" SXGA TFT Open Frame Panel Computer

Features

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

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)

Brightness adjustment (VR)

CompactFlash™ slot

▲ Rear view

Supports Intel Atom inside

Introduction

The FDK170-830 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 17" 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 FDK170-830 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 & 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 WiFi, 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)	160°/130°
Main System	CPU	Intel® Atom™ processor N270 1.6 GHz with FSB 533 MHz
	Chipset	Intel® 945GSE + ICH7M
	System Memory	1 x 200-pin DDR2 SO-DIMM max. 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

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

Specifications

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)
Expansion Interface	1 x PCIe Mini Card
Touchscreen	Resistive type (optional)
Power Supply	12/24 VDC
Dimensions	367 mm (14.45") (W) x 65 mm (2.6") (D) x 304.5 mm (11.99") (H) (FDK170-830-N, without touch) 367 mm (14.45") (W) x 69.8 mm (2.74") (D) x 304.5 mm (11.99") (H) (FDK170-830-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)	5.52 kg (12.16 lb)/7.5 kg (16.53 lb)
Environment	Operating temperature: 0° ~ +50°C (32°F ~ 122°F) Relative humidity: 10% ~ 95% @ 40°C, non-condensing
Certification	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.
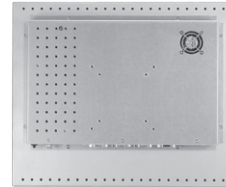
Ordering Information

FDK170-830-N	17" TFT open frame panel computer
FDK170-830-R	17" TFT open frame touch panel computer
50966A23040E	Power adapter, 70W, 110~230VAC to 24VDC

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

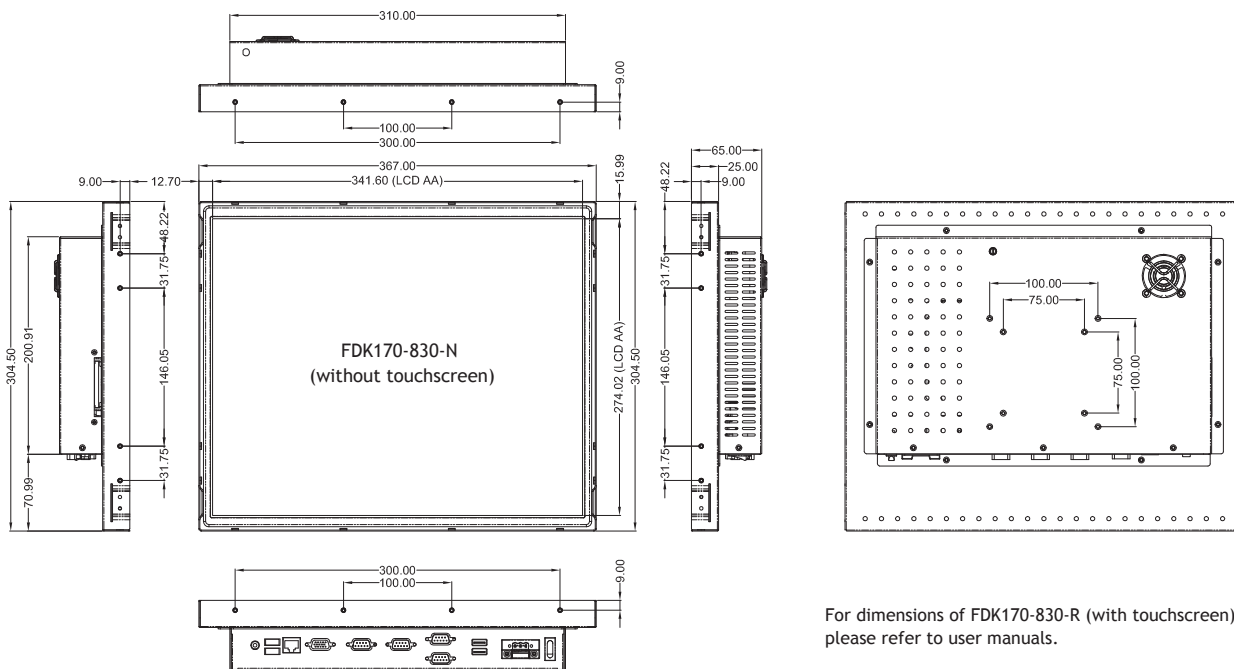## Optional OS Installation

Windows® XP
Windows® 7
Linux Kernel 2.6

▲ Rear view

▲ Side view

Dimensions

FDK170-830-N
(without touchscreen)

For dimensions of FDK170-830-R (with touchscreen),
please refer to user manuals.

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