FDK191-832

19" SXGA TFT Open Frame Panel Computer

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
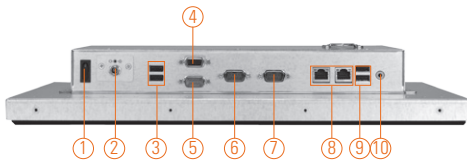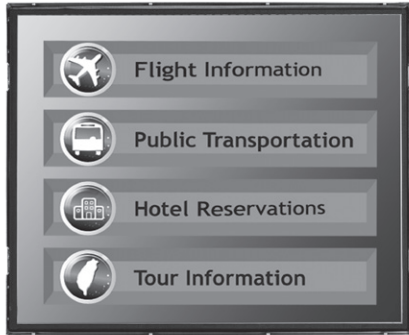
1. Power switch (ATX)
2. 1 x 12VDC power input connector or 24VDC phoenix connector
3. USB 2.0 x 2
4. 1 x D-SUB
5. COM 3 (RS-232)

6. COM 1 (RS-232/422/485)
7. COM 2 (RS-232)
8. 2 x Ethernet
9. USB 2.0 x 2
11. Audio (Line-out)

Supports Intel Atom inside

AiRD

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 WiFi, 3G connection, or other 3rd party I/O cards.

Specifications

LCD Panel	Display Type	19" SXGA TFT LCD
	Brightness (cd/m^2)	250 nits
	Resolution	1280 x 1024
	Viewing Angle(H/V)	160°/130°
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 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

* 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 (optional)
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	270 mm (10.62") (W) x 205 mm (8.07") (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: 10~95%@40°C, non-considering
Certification	CE

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

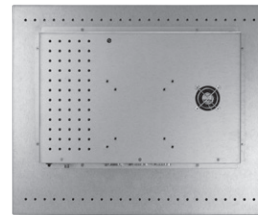** W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Ordering Information

FDK191-832-N	19" TFT open frame panel computer
FDK191-832-R	19" 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® 7 (32-bit)
Windows® 7 Embedded (32-bit)

▲ Rear view

▲ Side view

Dimensions