

FPC-3131

Robust Box PC with Intel® Atom™ Processor D2550 Platform



Features

- Ultra Low Power and Fanless & Cable Less Design
- Wide Range DC Power Input (10 ~ 32V)
- Over-voltage and Reversed Power Input Protection
- Outside Accessible CFast and SIM Slots supported
- Dual DVI Port Output
- RS-485 Auto-flow supported
- Wide Operating Temperature (-20 ~ 70°C)
- Easy Installation/Maintenance
- Intel® SSD compatible

System

CPU	Soldered onboard Intel® Atom™ Processor D2550 1.86GHz
Memory	1 x 204-pin DDR3 SO-DIMM socket, supporting 800/1066MHz SDRAM up to 4GB
Chipset	Intel® NM10 PCH
Graphics	Integrated Intel GMA 3650
ATA	1 x Serial ATA port with 300MB/s HDD transfer rate
LAN Chipset	2 x Realtek 8111 GbE controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	4 x RS-232 ports via one DB-44 female connector. (Two ports are RS-232/422/485 configurable.)
USB Port	6 x USB 2.0 ports
LAN	2 x RJ-45 ports for GbE
Video Port	1 x DVI-I female connector for digital video output 1 x DVI-D female connector for digital video output
Digital I/O	1 x 6-bit digital I/O, 3-in/3-out
Audio	Line-out
Expansion Bus	1 x Mini-card socket interconnected with SIM card socket for optional Wi-Fi or HSUPA module 1 x SIM card socket

Environmental

Operating Temp.	-20 ~ 70°C (-4 ~ 158°F), ambient w/ air flow
Storage Temp.	-40 ~ 85 °C (-40 ~ 185°F)
Operating Humidity	10 ~ 95% @ 70°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation
Shock	Operating 40G (11ms), Non-operating 80G with CFast/SSD

Qualification

Certification	CE, FCC Class B
---------------	-----------------

Power Requirement

Power Input	DC 10~32V input (w/ 3-pin DC input terminal block)
Power Consumption	Max. 30W

Storage

Type	1 x 2.5" drive bay for HDD/SSD 1 x CFast socket
------	--

Mechanical

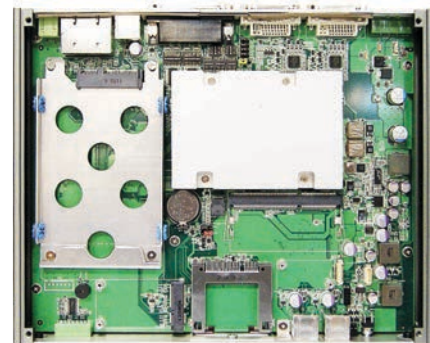
Construction	Aluminum alloy
Mounting	Wall-mount, VESA-mount & DIN-rail mount
Weight	1.89 kg (4.16 lb) (Bare-bone)
Dimensions (W x H x D)	252 x 33 x 199 mm (9.92" x 1.3" x 7.83")

OS Support

XPe / XP Pro / W7 Pro / WS7E

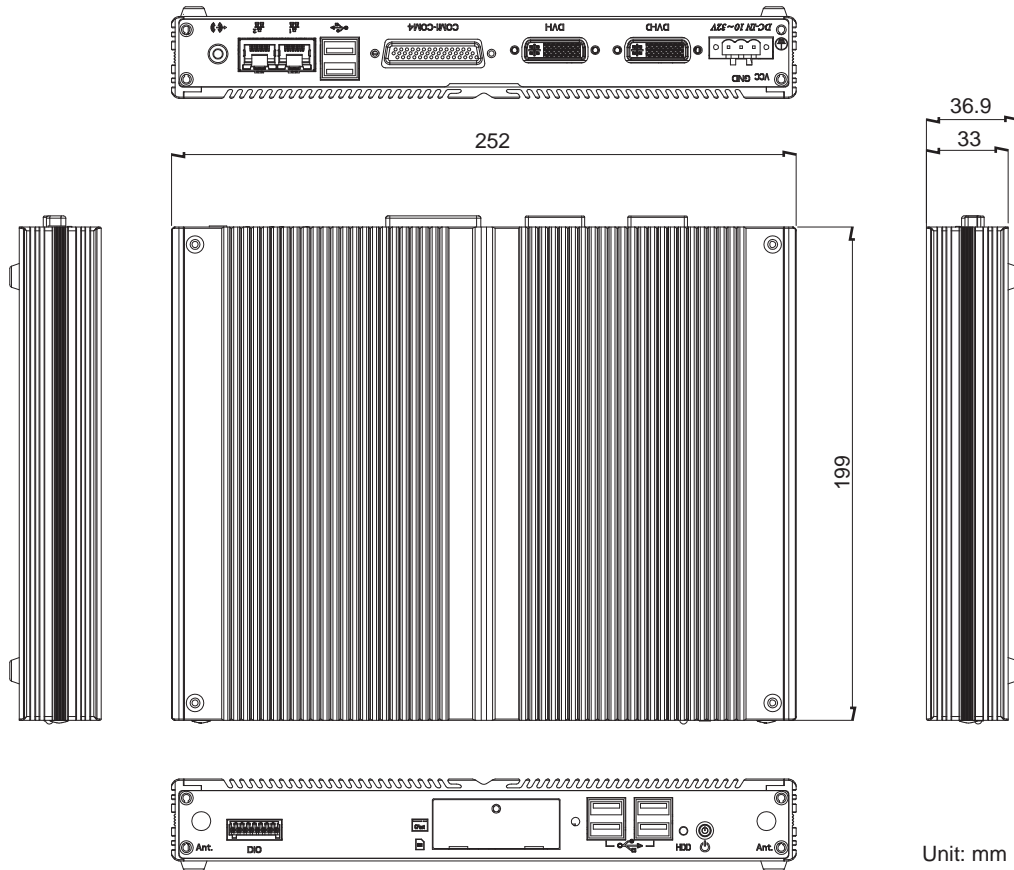
Ordering Information

FPC-3131	Barebone system w/o storage device and memory
----------	---








» Fanless Design

Dimensions










Unit: mm

Optional Accessories

PAC-P065W	19V/3.4A 65W AC/DC adapter kit	
VMK-3100	VESA mount kit	
CBL-7100-COM	4 x COM ports converter cable	
DRK-001	Din rail kit of FPC series	
WMK-3100	Wall-mount kit	

Optional Configuration (CTOS* Kit)

80GB SSD	Intel® 2.5" 80GB SATAIII SSD kit	
MM-3C-2G	DDR3-1333 2GB SDRAM	
MM-3C-4G	DDR3-1333 4GB SDRAM	
HSPA-SI1400	HSUPA 3.75G module kit & internal wiring	
WiFi-AT2300	Atheros AR9462 Wi-Fi module w/ 20cm internal wiring	
ANT-D11	1 x Wi-Fi dual-band 2.4G/5G antenna	
ANT-H11	1 x 2dBi HSUPA antenna	

*CTOS means Configure-to-Order Service.