

FPC-3100

Robust Box PC with Intel® Atom™ N270 Platform

BOX PC



Features

- **Ultra Low Power and Fanless Design**
- Support Dual Independent Displays via Analog RGB and DVI Port
- Support Outside Accessible CF Slot
- Wide Range DC Power Input
- Wide Operating Temperature (-20 ~ 70°C)
- Ultra Low Profile Enclosure
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Intel® SSD Compatible

System

CPU	Soldered onboard Intel® Atom™ N270 1.6GHz processor
Memory	Soldered onboard 1GB DDR2-533 SDRAM
Chipset	Intel® 945GSE + ICH7M
Graphics	Integrated Intel® GMA950 GFx Core in 945GSE GMCH
ATA	1 x Serial ATA port with 150MB/s HDD transfer rate
LAN Chipset	2 x Realtek 8111 Gigabit Ethernet controllers
Watchdog Timer	1~255 levels reset

I/O

Serial Port	1 x RS-232 port with RJ-45 connector 2 x RS-232/422/485 selectable ports with RJ-45 connector
USB Port	6 x USB 2.0 ports
LAN	2 x RJ-45 ports for Gigabit Ethernet
Video Port	1 x DB-15 female connector for Analog RGB 1 x DVI-D female connector for Digital Video Output
Audio	Mic-in/Line-in/Line-out (6W pre-amplified)
Expansion Bus	1 x Mini-card slot

Environmental

Operating Temp.	-20 ~ 70°C (-4 ~ 158°F), ambient w/ air flow
Storage Temp.	-40 ~ 85°C (-40 ~ 185°F)
Relative Humidity	10 ~ 95% @ 40°C (non-condensing)
Vibration	3 Grms/5~500Hz/random operation Operating 20G (11ms), Non-operating 60G with HDD
Shock & Crash	Operating 40G (11ms), Non-operating 80G with CF/SSD Crash 100G (11ms)

Qualification

Certification CE, FCC

Power Requirement

Power Input DC 10~28V input (w/ 1 x 2-pin DC input terminal block)

Power Consumption 25W (Max.)

Storage

1 x 2.5" drive bay for HDD/SSD

1 x CompactFlash Type II Socket which can be outside accessible

Soldered onboard 4GB NANDrive (FPC-3100/4G only)

Type

Mechanical

Construction Aluminum alloy

Mounting Wall-mount/VESA-mount/Din rail mounting

Weight 1.89 kg (4.16 lb) (Bare-bone)

Dimensions (W x D x H) 252 x 199 x 33 mm (9.92" x 7.83" x 1.3")

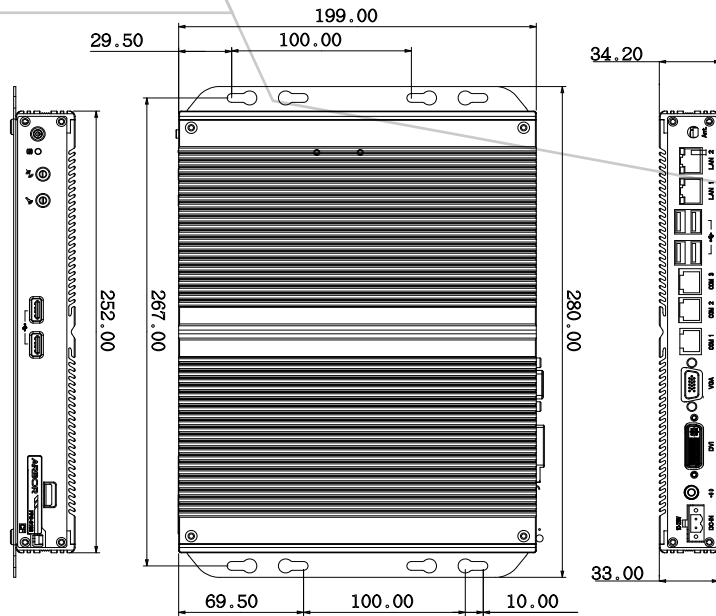
Ordering Information

FPC-3100 Barebone system w/o storage device

FPC-3100/4G Barebone system w/ 4GB NANDrive



Dimensions



Unit: mm

Optional Accessories

PAC-B065W-1
65W AC/DC adapter kit



Power Input 100 ~ 240 VAC

Power Output 19VDC, 3.4A, 65W

DRK-001
Din rail kit of FPC series



Material SPCC + Ni

Dimensions (W x D x H) 242 x 14 x 180 mm
(9.53" x 0.55" x 7.09")

WMK-3100
Wall-mount kit



Material SECC

Dimensions (W x D x H) 280 x 192 mm (11" x 7.56")

VMK-3100
VESA mount kit



Material SECC

Dimensions (W x D x H) 267 x 4.8 x 16.5 mm
(10.5" x 0.19" x 0.37")

CBL-3100-COM
COM converter cable



External I/O 1 x COM port

Length 195 mm

Optional Configuration (CTOS* Kit)

SSD-25080
Intel® 2.5" 80GB SATAII SSD kit



Brand/Type Intel / 2.5 inch

Interface SATAII

Capacity 80GB

Dimensions (W x D x H) 100.45 x 69.85 x 9.5 mm
(3.95" x 2.75" x 0.37")

*CTOS means Configure to Order Service.

» Front-access CF for Easy Maintenance



Unscrew and pull down the door



Insert CF card