



FPC-3120

Robust Box PC with Intel® Atom™ N270 Platform

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SBC Daughterboard / Power Converter / Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis / Backplane / Power supply



Features

- Ultra Low Power and Fanless Design
- Support Outside Accessible CF Slot
- Wide Operating Temperature (-20 ~ 70°C)
- Ultra Low Profile Enclosure (33mm Height Max.)
- Rugged Design for Shock/Vibration Protection
- Easy Installation/Maintenance
- Single DC 12V Power Input

System

| | |
|-----------------------|---|
| CPU | Soldered onboard Intel® Atom™ N270 1.6GHz CPU with 533MHz FSB |
| Memory | Soldered onboard 1GB DDR2-533 SDRAM |
| Chipset | Intel® 945GSE + ICH7M |
| Graphics | Integrated Intel® GMA950 GFx Core in 945GSE GMCH |
| LAN Chipset | 1 x Realtek 8111C Gigabit Ethernet controller |
| Watchdog Timer | 1~255 levels reset |

I/O

| | |
|----------------------|---|
| Serial Port | 1 x RS-232 ports 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 | 1 x RJ-45 port for Gigabit Ethernet |
| Video Port | 1 x DB-15 female connector for Analog RGB |
| Audio | Mic-in/Line-out |
| Expansion Bus | 1 x Mini-card slot |

Environmental

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|--------------------------|--|
| 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 |
| Shock & Crash | Operating 20G (11ms), Non-operating 60G with HDD Operating 40G (11ms), Non-Operating 80G with CF/SSD Crash 100G (11ms) |

Qualification

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|----------------------|---------|
| Certification | CE, FCC |
|----------------------|---------|

Power Requirement

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|--------------------------|--|
| Power Input | DC 12V input (w/ 1 x 4-pin power jack) |
| Power Consumption | 25W (Max.) |

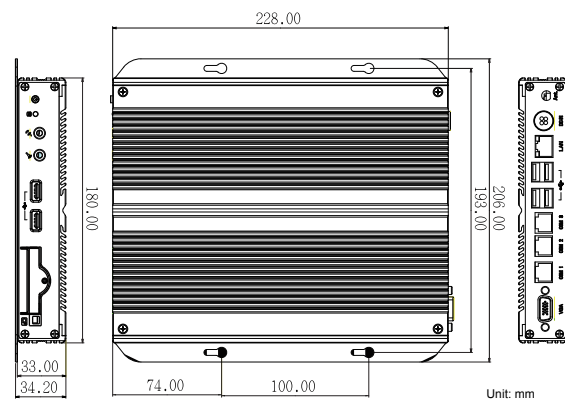
Storage

| | |
|-------------|---|
| Type | 1 x CompactFlash Type II Socket which can be outside accessible Soldered onboard 4GB NANDrive (FPC-3120/4G only) |
|-------------|---|

Mechanical

| | |
|-------------------------------|---|
| Construction | Aluminum alloy |
| Mounting | Wall-mount/VESA-mount/Din rail mounting |
| Weight | 1.67 kg (3.68 lb) (Bare-bone) |
| Dimensions (W x D x H) | 180 x 228 x 33 mm (7.09" x 8.94" x 1.29") |

Drawing



Ordering Information

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|---------------------|--|
| FPC-3120 | Barebone system w/o storage device |
| FPC-3120/4G | Barebone system w/ 4GB NANDrive |
| DRK-001 | Din rail kit for FPC series |
| WMK-3120 | FPC-3120 wall-mount kit |
| VMK-3120 | FPC-3120 VESA-mount kit |
| CBL-3100-COM | COM converter cable (1*RJ-45 to 1*DB-9) L=195 mm |
| PAC-B60W-1 | 60W AC/DC adapter kit |

All specifications are subject to change without notice.