



FPC-3101

Robust Box PC with Intel® Atom™ N270 Platform



Features

- Ultra Low Power and Fanless Design
- Support Dual Independent Displays via Analog RGB, LVDS 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

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 |
| ATA | 1 x Serial ATA port with 150MB/s HDD transfer rate |
| LAN Chipset | 2 x Realtek 8111C Gigabit Ethernet controllers |
| 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 | 2 x RJ-45 ports for GbE |
| Video Port | 1 x DB-15 female connector for Analog RGB 1 x LVDS connector, support dual channels 24-bit LVDS output |
| 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 10V~28V input (w/ 1 x 2-pin DC input terminal block) |
| Power Consumption | 25W (Max.) |

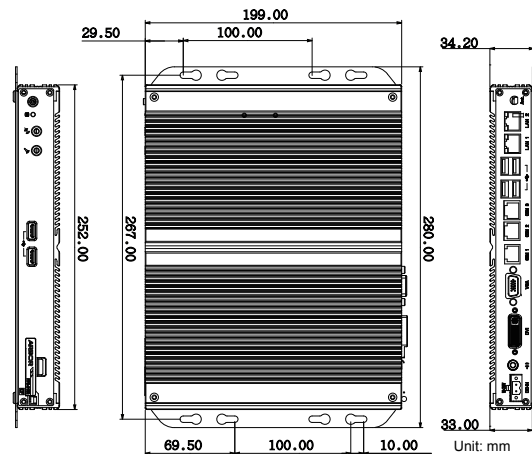
Storage

| | |
|-------------|---|
| Type | 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-3101/4G only) |
|-------------|---|

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 1.29") |

Drawing



Ordering Information

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|---------------------|--|
| FPC-3101 | Barebone system w/o storage device |
| FPC-3101/4G | Barebone system w/ 4GB NANDrive |
| DRK-001 | Din rail kit for FPC series |
| WMK-3100 | FPC-3100 wall-mount kit |
| VMK-3100 | FPC-3100 VESA-mount kit |
| LVDS-3101 | FPC-3100 LVDS kit L= 300 mm |
| CBL-3100-COM | COM converter cable (1*RJ-45 to 1*DB-9) L=195 mm |
| PAC-B065W-1 | 65W AC/DC adapter kit |

All specifications are subject to change without notice.

Computer on Module

Compact Board

Slot Board

Industrial Motherboard

Wide Temperature

SPC Daughterboard Power Converter Mounting Kit

Rugged Tablet PC

Medical PC

Industrial Panel PC/Monitor

Box PC

Industrial Chassis /Backplane/ Power supply