

## 12.1" Industrial Panel PC

PPC-2712GS-LX800

AMD Geode LX800 500MHz Processor

Fanless

PPC-3712A/B-N270

Intel® Atom™ N270 Processor

Fanless

PPC-3712GXS-945

Intel® Core™2 Duo Processor with Intel® 945GM Platform



## Specifications

## Features

1. 12.1" 500 nits high brightness TFT LCD with LED backlight
2. Dual Gigabit Ethernet provides continuous network service and allows sharing among different workgroups in two different subnets
3. Optional 802.11 b/g wireless kit
4. One slim type CD-ROM drive bay
5. One internal 2.5" SATA HDD and CF slot
6. Robust aluminum front bezel and metal casing
7. IP 65 compliant front panel

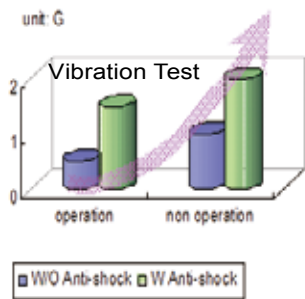
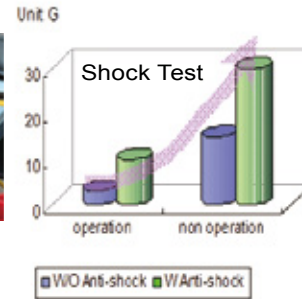
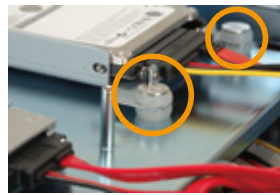


| Model                  |                               | PPC-2712GS-LX800   | PPC-3712A-N270   | PPC-3712B-N270   | PPC-3712GXS-945  |
|------------------------|-------------------------------|--|--|--|--|
| Display                | LCD Size                      | 12.1"  |  |  |  |
|                        | Max Resolution                | 1024(W) x 768(H)   |  |  |  |
|                        | Brightness (cd/m²)            | 500  |  |  |  |
|                        | Contrast Ratio                | 700:1  |  |  |  |
|                        | LCD Color                     | 262K   |  |  |  |
|                        | Pixel Pitch (mm) (HxV)        | 0.3075(H) x 0.3075(V)  |  |  |  |
|                        | Viewing Angle (V/H)           | 160°/160°  |  |  |  |
|                        | Backlight MTBF (hrs)          | 50000 (LED Backlight)  |  |  |  |
| Motherboard            | SBC                           | AFLMB-LX-800   | NANO-945GSE-N270   | NANO-945GSE-N270   | NANO-9452  |
|                        | CPU                           | AMD Geode LX800 500MHz processor   | Intel® Atom™ N270 1.6GHz CPU   | Intel® Atom™ N270 1.6GHz CPU   | Socket M Intel® Core™2 Duo, Core Duo, Core Solo with 667MHz FSB Intel® Celeron® M 533MHz FSB   |
|                        | Chipset                       | AMD Geode LX800 + AMD CS5536   | Intel® 945GSE + ICH7M  | Intel® 945GSE + ICH7M  | Intel® 945GME + ICH7M  |
|                        | RAM                           | 1 x 200-pin SO-DIMM socket, supporting DDR 333/400MHz modules for up to 1GB  | 1 x 200-pin SO-DIMM socket, supporting DDR2 533MHz modules for up to 2GB   | 1 x 200-pin SO-DIMM socket, supporting DDR2 533MHz modules for up to 2GB   | 1 x 200-pin SO-DIMM socket, supporting DDR2 400/533/667MHz modules for up to 2GB   |
| I/O Ports and Switches |                               | 2 x RS-232<br>2 x RJ-45 for 10/100Mbps LAN<br>4 x USB 2.0<br>1 x VGA Port<br>Line-out<br>1 x PS/2 mouse and keyboard interface<br>1 x 12VDC input Power Jack<br>1 x Power Switch<br>1 x Reset Button | 2 x RS-232<br>1 x RS-232 ( Alternative to RS-422/485)<br>2 x RJ-45 for LAN Port<br>2 x USB 2.0<br>1 x VGA Port<br>1 x Line-in, 1 x Line-out, 1 x Mic-in<br>1 x PS/2 mouse and keyboard interface<br>1 x 12VDC input Power Jack<br>1 x Power Switch | 2 x RS-232<br>1 x RS-232 ( Alternative to RS-422/485)<br>2 x RJ-45 for LAN Port<br>4 x USB 2.0<br>1 x VGA Port<br>1 x Line-in, 1 x Line-out, 1 x Mic-in<br>1 x PS/2 mouse and keyboard interface | 2 x RS-232<br>1 x RS-232 ( Alternative to RS-422/485)<br>2 x RJ-45 for LAN Port<br>2 x USB 2.0<br>1 x VGA Port<br>1 x Line-in, 1 x Line-out, 1 x Mic-in<br>1 x PS/2 mouse and keyboard interface<br>1 x 12VDC input Power Jack<br>1 x Power Switch |
| Drive Bay              | HDD Driver Bay                | 1 x 2.5" IDE HDD Bay   |  | 1 x 2.5" SATA HDD Bay  |  |
|                        | SSD                           | CF Type II   |  |  |  |
|                        | CD-ROM Driver Bay             | N/A  | SATA Slim Type CD-ROM Bay  | SATA Slim Type CD-ROM Bay  | SATA Slim Type CD-ROM Bay  |
| Expansion Slot         |                               | 1 x Mini PCI card  | 1 x PCIe Mini card   | 1 x PCIe Mini card   | 1 x PCIe Mini card   |
| Physical               | Construction Front Panel      | Aluminum Die-casting   |  |  |  |
|                        | Chassis Construction          | Heavy-duty Steel (SECC)  |  |  |  |
|                        | Mounting                      | Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm  |  |  |  |
|                        | Front Panel Color             | Silver (Pantone 8001C)   |  |  |  |
|                        | Dimensions (WxHxD) (mm)       | 340 x 260 x 62   | 340 x 277 x 73.4   | 340 x 260 x 74.8   | 340 x 277 x 73.4   |
|                        | Cut Out Dimensions (WxH) (mm) | 313 x 233  | 313 x 233  | 313 x 233  | 313 x 233  |
|                        | Net/Gross Weight              | 2.8 Kg / 5.7 Kg  | 6 Kg / 8 Kg  | 6 Kg / 8 Kg  | 6 Kg / 8 Kg  |
| System Cooling         |                               | Fanless  | Fanless  | Fanless  | Active with Fan  |
| Environment            | Operation Temperature         | -10°C~50°C   |  |  |  |
|                        | Storage Temperature           | -20°C~60°C   |  |  |  |
|                        | Vibration                     | 5~17Hz, 0.1 double amplitude displacement 17~640Hz 1.5G acceleration peak to peak  |  |  |  |
|                        | Shock                         | 10G acceleration part to part (11ms)   |  |  |  |
| Touch Screen           |                               | Resistive Type 5-Wire with RS-232 interface  |  |  |  |
| Power Supply           | AC Input                      | P/N: 663000-FSP050DBAB1405-RS<br>50W Power Adapter<br>Input: 90VAC~264VAC, 50/60Hz<br>Output: 12VDC  | P/N: 63040-010060-050-RS<br>60W Power Adapter<br>Input: 90VAC~264VAC, 50/60Hz<br>Output: 12VDC   | P/N: ACE-890A-RS<br>86W Power Supply<br>Input: 90VAC ~ 264VAC<br>Output: 12VDC   | P/N: 63000-FSP084DMBA1308-RS<br>84W Power Adapter<br>Input: 90VAC~264VAC, 50/60Hz<br>Output: 12VDC   |
|                        | DC Input                      | -  | -  | P/N: ACE-709TX-RS<br>90W Power Supply<br>Input: 36VDC ~ 72VDC<br>Output: 12VDC   | -  |

## 2.5" SATA Hard Drive with anti-vibration protection

### Anti-Shock Protection

All new anti-shock design enhances protection performance of hard drives dramatically in terms of shock and vibration tests.



## High Performance & Compact Size



High performance and compact size allow users to set up the PPC-3712GXS in a wide range of applications



## PPC-3712BA Supports More Features:

**Built-in 85~264 V AC power supply means no need for an external power adapter**



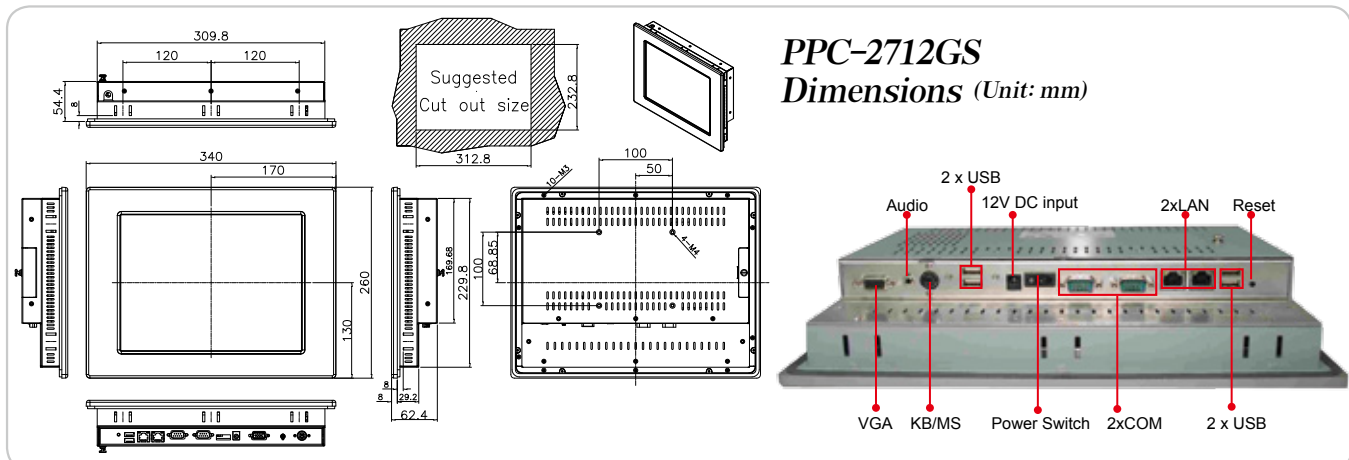
PPC-3712BA-N270/890/  
R/1G-R20

ACE-890A  
86 W AC-DC Open Frame AT Power Supply



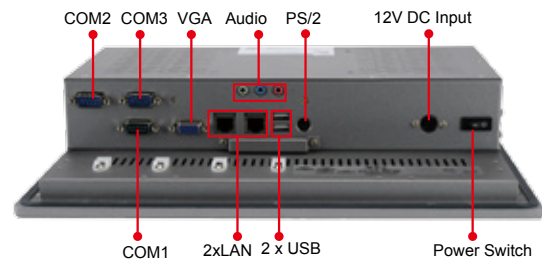
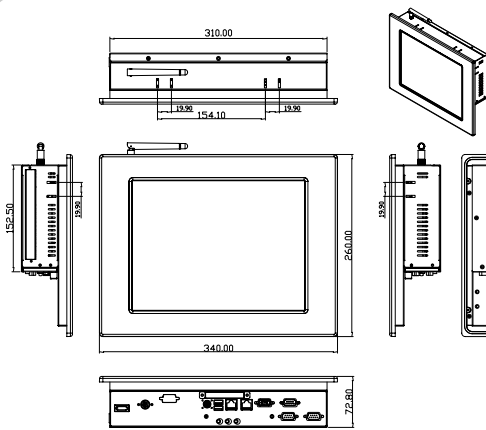
No External Power  
Adapter!

| Input Type     | 85 ~ 264 VAC Full Range                        |       |      |
|----------------|--|-------|------|
| Output Voltage | +5 V   | +12 V | -12V |
| ACE-890A       | 10A  | 2.5 A | 0.5A |
| Efficiency     | 70%  |       |      |
| Temperature    | Operating : 0 °C~ 50 °C, Storage : -20 ~ 85 °C |       |      |
| MTBF (hrs)     | 268,000  |       |      |



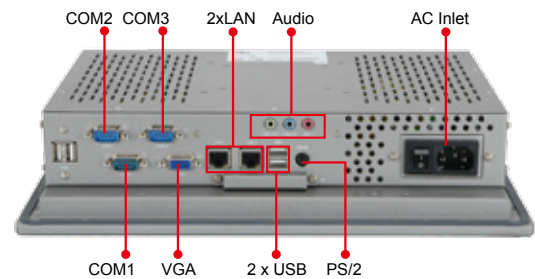
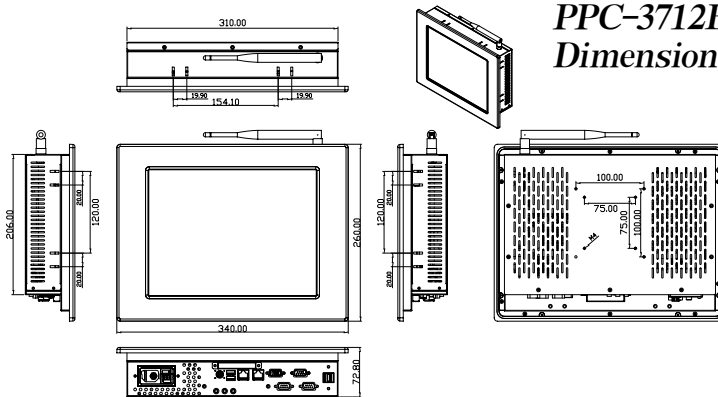
## PPC-3712A/PPC-3712GXS-945

### Dimensions (Unit: mm)



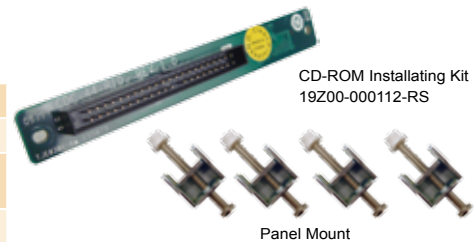
## PPC-3712B

### Dimensions (Unit: mm)



## Packing List

| Item                               | Part No.                | Description  |
|------------------------------------|-------------------------|--|
| Screw Kit                          | 19600-000207-RS         |  |
| SATA CD-ROM Cable                  | 32801-006300-100-RS     | SATA 7+6P FEMALE 180°;SATA 7P FEMALE 90°+LOCK;DU PONT 2*4P P=2.54 FEMALE |
| Power Cord                         | 32702-000200-100-RS     | EUROPEAN Standard ,1830MM, PLUG(16A 250V), CONNECTOR(10A 250V)           |
| Power Adapter                      | 63040-010060-050-RS     | 50W, 90VAC~264VAC for PPC-2712G  |
|                                    | 63000-FSP060DBAB1554-RS | 60W, 90VAC~264VAC for PPC-3712A  |
|                                    | 63000-FSP084DMBA1308-RS | 84W, 90VAC~264VAC for PPC-3712G  |
| PS/2 Cable                         | 32006-000300-100-RS     | 1 x MINI DIN 6PIN MALE; 2 x MINI DIN 6PIN FEMALE                         |
| Panel Mounting Kit                 | 19Z00-000024-RS         |  |
| Wall Mounting Kit                  | 41014-057602-00-RS      | ULTRA SET PLATE  |
|                                    | 41020-016102-00-RS      | WALL MOUNT BRACKET   |
| IEI One Key Recovery CD            | IEI-7B000-000478-RS     |  |
| Touch Screen Driver CD / Touch Pen |                         |  |
| User Manual & Driver CD            | IEI-7B000-000519-RS     | FOR PPC-27xxG-LX SERIES  |
|                                    | IEI-7B000-000520-RS     | FOR PPC-37xxG-945/N270 SERIES  |



## IQ Mounting Options

| Item           | Part No.     |
|----------------|--------------|
| Rack Mount Kit | RK-121MS-R10 |
| ARM            | ARM-11-RS    |
| STAND          | STAND-100-RS |

## Options

| Item                      | Part No.        | Description  |
|---------------------------|-----------------|--|
| RS-422/485 Cable          | 32200-075202-RS | (A) D-SUB 9PIN MALE<br>(B) DU PONT 2*7P P=2.0 FEMALE           |
| IDE CD-ROM Installing Kit | 19Z00-000112-RS | 50-pin CD ROM connector to 44-pin IDE connector transfer board |
| HDD IDE Cable             | 32200-000037-RS | 250MM, IDE 44-pin  |

## Ordering Information

| Part No.          | Description                 |
|-------------------|-----------------------------|
| AMD LX800         | PPC-2712GS-LX/R/256M-R20    |
| Intel® Atom™ N270 | PPC-3712A-N270/R/1G-R30     |
| Intel® 945GME     | PPC-3712GXS-945-C4/R/1G-R30 |
|                   | PPC-3712GXS-945-T5/R/1G-R30 |