

## 12.1" Industrial Panel PC

**PPC-3712A-N26**Intel® Atom™ N2600 Dual-Core Processor **Fanless New****PPC-3712A-N270**Intel® Atom™ N270 Processor **Fanless****PPC-3712GXS-945**

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



## Specifications

## Features

- 12.1" 500 nits high brightness TFT LCD with LED backlight
- Dual Gigabit Ethernet provides continuous network service and allows sharing among different workgroups in two different subnets
- Optional 802.11 b/g/n wireless kit
- One slim type CD-ROM drive bay
- Robust aluminum front bezel and metal casing
- IP 65 compliant front panel



| Model                  |                               | PPC-3712A-N26                                                                                                                                                                                       | PPC-3712A-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)                                                                                                                                                                               |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
| Touch                  | Touch Screen                  | Resistive Type 5-Wire with RS-232 interface                                                                                                                                                         |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
|                        | Touch Controller              | EETI MBMER4050CMBG                                                                                                                                                                                  |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
| Motherboard            | SBC                           | NANO-CV-N26001                                                                                                                                                                                      | NANO-945GSE-N270                                                                                                                                                                                                                                  | NANO-9452                                                                                                                                                                                                                                         |
|                        | CPU                           | Intel® Atom™ N2600 dual-core processor<br>1.6GHz                                                                                                                                                    | Intel® Atom™ N270 1.6GHz CPU                                                                                                                                                                                                                      | Socket M Intel® Core™2 Duo, Core Duo, Core Solo<br>with 667MHz FSB<br>Intel® Celeron® M 533MHz FSB                                                                                                                                                |
|                        | Chipset                       | Intel® NM10                                                                                                                                                                                         | Intel® 945GSE + ICH7M                                                                                                                                                                                                                             | Intel® 945GME + ICH7M                                                                                                                                                                                                                             |
|                        | RAM                           | One 200-pin SO-DIMM socket, supporting<br>DDR3 800MHz modules for up to 2GB                                                                                                                         | One 200-pin SO-DIMM socket, supporting DDR2<br>533MHz modules for up to 2GB                                                                                                                                                                       | One 200-pin SO-DIMM socket, supporting DDR2<br>400/533/667MHz modules for up to 2GB                                                                                                                                                               |
|                        | Ethernet                      | Realtek RTL8111E PCIe GbE controller supporting ASF 2.0                                                                                                                                             |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
|                        | Audio codec                   | Realtek ALC662 HD audio codec                                                                                                                                                                       | Realtek ALC655 AC'97 audio codec                                                                                                                                                                                                                  | Realtek ALC655 AC'97 audio codec                                                                                                                                                                                                                  |
| I/O Ports and Switches |                               | 2 x RS-232<br>1 x RS-422/485<br>2 x RJ-45 for LAN Port<br>2 x USB 3.0<br>2 x USB 2.0<br>1 x HDMI<br>1 x VGA Port<br>1 x Line-in, Line-out, Mic-in<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>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>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 Drive Bay                 | 1 x 2.5" SATA HDD Bay                                                                                                                                                                               |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
|                        | SSD                           | 1 x mSATA                                                                                                                                                                                           | CF Type II                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                   |
| Expansion Slot         | CD-ROM Drive Bay              | Slim Type CD-ROM Bay<br>1 x PCIe Mini card                                                                                                                                                          | SATA Slim Type CD-ROM Bay<br>1 x PCIe Mini card                                                                                                                                                                                                   | SATA Slim Type CD-ROM Bay<br>1 x PCIe Mini card                                                                                                                                                                                                   |
| Physical               | Front Panel Construction      | 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 74.8                                                                                                                                                                                    | 340 x 277 x 73.4                                                                                                                                                                                                                                  | 340 x 277 x 73.4                                                                                                                                                                                                                                  |
|                        | Cut Out Dimensions (WxH) (mm) | 313 x 233                                                                                                                                                                                           | 313 x 233                                                                                                                                                                                                                                         | 313 x 233                                                                                                                                                                                                                                         |
|                        | Net/Gross Weight              | 6 Kg / 8 Kg                                                                                                                                                                                         | 6 Kg / 8 Kg                                                                                                                                                                                                                                       | 6 Kg / 8 Kg                                                                                                                                                                                                                                       |
| System Cooling         |                               | Fanless                                                                                                                                                                                             | Fanless                                                                                                                                                                                                                                           | Active with Fan                                                                                                                                                                                                                                   |
| Environment            | Operating 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                                                                                                                   |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
| Power Supply           | Shock                         | 10G acceleration part to part (11ms)                                                                                                                                                                |                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                   |
|                        | Power Adapter                 | P/N: 63040-010060-050-RS<br>60W 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: 63000-FSP084DMBA1308-RS<br>84W Power Adapter<br>Input: 90VAC~264VAC, 50/60Hz<br>Output: 12VDC                                                                                                                                                |

## Ordering Information

| Part No.           |                             | Description                                                                                                                            |
|--------------------|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Intel® Atom™ N2600 | PPC-3712A-N26/R/2G-R10*     | 12.1" 500 cd/m <sup>2</sup> XGA Panel PC with Intel® Atom™ N2600 1.6GHz processor, 2GB DDR3 RAM, and touch screen, 9~28VDC input, RoHS |
| Intel® Atom™ N270  | PPC-3712A-N270/R/1G-R21     | 12.1" 500 cd/m <sup>2</sup> XGA fanless panel PC, Intel® Atom™ N270 1.6GHz/ 512KB, 1GB DDR2, Res T/S, Silver Color, R21, RoHS          |
| Intel® 945GME      | PPC-3712GXS-945-C4/R/1G-R30 | 12.1" 500 cd/m <sup>2</sup> XGA TFT panel PC with NANO-9452, C-M 1.86GHz, Silver color, T/S, 1GB DDR2 RAM, R30, RoHS                   |
|                    | PPC-3712GXS-945-T5/R/1G-R30 | 12.1" 500 cd/m <sup>2</sup> XGA TFT panel PC with NANO-9452, Intel® Core Duo 1.66GHz T5500, Silver color, T/S, 1GB DDR2 RAM, R30, RoHS |

\* PPC supports 9-28V DC input with 4-pin DC jack. Standard product includes 12V DC adapter. For terminal block solution, please contact sales team.

## 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     | 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            |                         |                                                                            |

## IQ Mounting Options

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

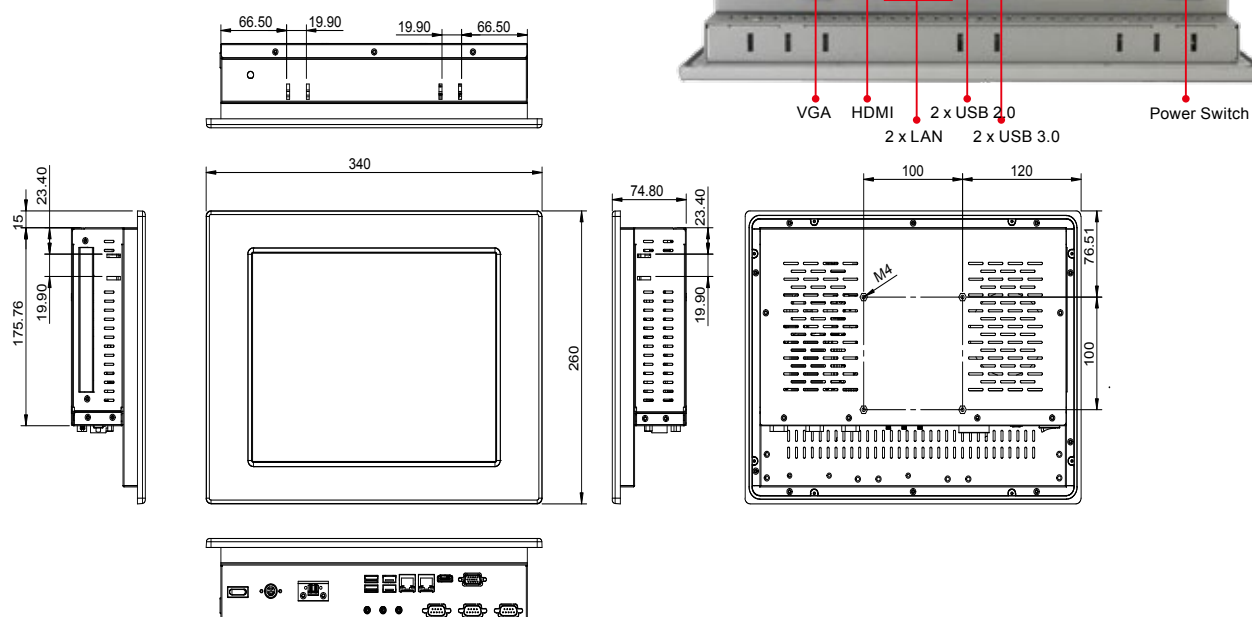


## Options

| 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                                                                   |
| Wi-Fi Module              | PPC-WL-KIT02-R10 | Wi-Fi module with RF cable and antenna, 2T2R, 802.11 b/g/n for PPC-37xxA-N26 series |

# PPC-3712A-N26

Dimensions (Unit: mm)



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

Dimensions (Unit: mm)

