**12.1" Industrial Panel PC**

Intel® Atom™ N2600 Dual-Core Processor

Intel® Atom™ N270 Processor

***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 802.11b/g/n wireless kit
* One slim type CD-ROM drive bay
* Robust aluminum front bezel and metal casing
* IP 65 compliant front panel

***Specifications***

Fanless

IP65

-20ºC~50ºC

PPC-3712A-N270

PPC-3712A-N26

|  |  |  |
| --- | --- | --- |
| **Model** | **PPC-3712A-N26** | **PPC-3712A-N270** |
| 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 | Touchscreen | 5-wire resistive type with RS-232 interface |
|  | Touch Controller | EETI MBMER4050CMBG |
| Motherboard | SBC | NANO-CV-N26001 | NANO-945GSE-N270 |
| CPU | Intel® Atom™ N2600 dual-core processor 1.6GHz | Intel® Atom™ N270 1.6GHz CPU |
| Chipset | Intel® NM10 | Intel® 945GSE + ICH7M |
| RAM | One 200-pin SO-DIMM socket, supporting DDR3 800MHzmodule for up to 2GB | One 200-pin SO-DIMM socket, supporting DDR2 533MHz modulefor 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 |
| I/O Ports and Switches | 2 x RS-2321 x RS-422/4852 x RJ-45 for LAN port 2 x USB 3.02 x USB 2.01 x HDMI1 x VGA port1 x Line-in, Line-out, Mic-in1 x 9-28 V DC input power jack 1 x Power switch | 2 x RS-2321. x RS-232 (alternative to RS-422/485) 2 x RJ-45 for LAN port
2. x USB 2.0

1 x VGA port1 x Line-in, 1 x Line-out, 1 x Mic-in1 x PS/2 mouse and keyboard interface1 x 12 V DC power input jack1 x Power switch |
| Drive Bay | HDD Drive Bay | 1 x 2.5” SATA HDD Bay |
| SSD | 1 x mSATA (SATA2 signal) | CF Type II |
| CD-ROM Drive Bay | Slim type CD ROM bay | SATA slim type CD-ROM bay |
| Expansion Slot | 1 x PCIe Mini card | 1 x PCIe Mini card |
| Physical | Front Panel Contruction | Aluminum die-casting |
| Chassis Construction | Heavy-duty steel (SECC) |
| Mounting | Panel, wall, rack, stand and arm (VESA 100 mm x 100 mm) |
| Front Panel Color | Silver (Pantone 8001C) |
| Dimensions (WxHxD) (mm) | 340 x 260 x 74.8 | 340 x 277 x 73.4 |
| Cut Out Dimensions (WxH) (mm) | 313 x 233 | 313 x 233 |
| Net/Gross Weight | 6 kg / 8 kg | 6 kg / 8 kg |
| System Cooling | Fanless | Fanless |
| 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 |
| Shock | 10G acceleration part to part (11ms) |
| Power Supply | Power Adapter | P/N: 63040-010060-110-RS60W power adapter (Meets PSE) Input: 90VAC~264VAC, 50/60HzOutput: 12VDC | P/N: 63040-010060-110-RS60W power adapter (Meets PSE) Input: 90VAC~264VAC, 50/60HzOutput: 12VDC |

***Display System***

## w w w . i ei w or l d .c om

***Ordering Information***

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| **Part No.** | **Description** |
| **Intel® Atom™ N2600** | PPC-3712A-N26/R/2G-R12\* | 12.1" 500 cd/m² XGA panel PC with Intel® Atom™ N2600 1.6GHz processor, 2GB DDR3 9 V~28 V DC RAM, and touchscreen, 9 V~28 V DC input, RoHS |
| **Intel® Atom™ N270** | PPC-3712A-N270/R/1G-R23 | 12.1" 500 cd/m² XGA fanless panel PC, Intel® Atom™ N270 1.6GHz/ 512KB, 1GB DDR2, resistive touchscreen, sliver color, R23, RoHS |

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

# *Packing List*

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| **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 2x4P, P=2.54, female |
| Power Cord | 32702-000200-100-RS | European standard, 1830 mm, plug (16A, 250V), connector (10A, 250V) |
| Power Adapter | 63040-010060-110-RS | 60W, 90VAC~264VAC for PPC-3712A |
| PS/2 Cable | 32006-000300-100-RS | 1 x mini-DIN 6-pin male; 2 x mini-DIN 6-pin female |
| Panel Mounting Kit | 19Z00-000024-RS | 19Z00-000024-RS x8 |
| 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 |  |
| Touchscreen Driver CD / Touch Pen |
| User Manual & Driver CD |

***IQ Mounting Options***

|  |  |
| --- | --- |
| **Item** | **Part No.** |
| Arm | ARM-11-RS |
| Stand | STAND-100-RS |

CD-ROM Installating Kit

19Z00-000112-RS

Panel Mount

# *Options*

|  |  |  |
| --- | --- | --- |
| **Item** | **Part No.** | **Description** |
| RS-422/485 Cable | 32200-075202-RS | 1. D-sub 9-pin male
2. DU PONT 2\*7P, P=2.0 female
 |
| IDE CD-ROM Installation Kit | 19Z00-000112-RS | 50-pin CD-ROM connector to 44-pin IDE connector transfer board |
| HDD IDE Cable | 32200-000037-RS | 250 mm, IDE 44-pin |
| Wi-Fi Module | PPC-WL-KIT02-R10 | Wi-Fi module with RF cable and antenna, 2T2R, 802.11b/g/n for PPC-37xxA-N26 series(Telec certified) |

***PPC-3712A-N26***

***Fully Integrated I/O***

***PPC-3712A-N27***

***Fully Integrated I/O***

1 x RS-232 1 x RS-422/485

1 x Line-out

1 x Line-in

1. x Mic

12V DC Input

COM2 COM3 VGA Audio PS/2

12V DC Input

VGA

HDMI

2 x USB 2.0

Power Switch

COM1

1. x LAN 2 x USB

Power Switch

2 x LAN 2 x USB 3.0

74.80

120

100

340

19.90 66.50

66.50 19.90

***PPC-3712A-N26***

***Dimensions (Unit: mm)***

175.76

19.90

15

23.40

260

19.90

23.40

100

76.51

***PPC-3712A-N27***

***Dimensions (Unit: mm)***