

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" 500nits 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. IP65 compliant front panel

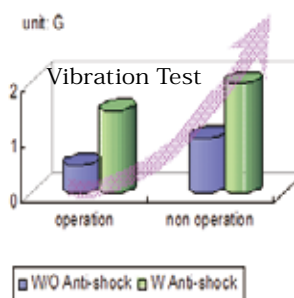
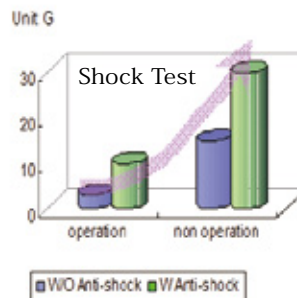
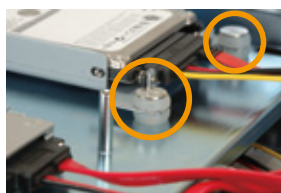


Model		PPC-2712GS-LX800	PPC-3712A-N270	PPC-3712B-N270	PPC-3712GXS-945
Display	LCD Size	12.1 "			
	Max Resolution	1024(W) x 768(H)			
	Brightness (cd/m²)	500			
	Contrast Ratio	700:1			
	LCD Color	262K			
	Pixel Pitch (mm) (HxV)	0.3075(H) x 0.3075(V)			
	Viewing Angle (V/H)	160°/160°			
	Backlight MTBF (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 process N270 1.6GHz CPU	Intel® Atom process 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 2 x RJ-45 for 10/100Mbps LAN 4 x USB 2.0 1 x VGA Port Line-out 1 x PS/2 mouse and keyboard interface 1 x 12VDC input Power Jack 1 x Power Switch 1 x Reset Button	2 x RS-232 1 x RS-232 (Alternative to RS-422/485) 2 x RJ-45 for LAN Port 2 x USB 2.0 1 x VGA Port Line-in, Line-out, MIC-in 1 x PS/2 mouse and keyboard interface 1 x 12VDC input Power Jack 1 x Power Switch	2 x RS-232 1 x RS-232 (Alternative to RS-422/485) 2 x RJ-45 for LAN Port 4 x USB 2.0 1 x VGA Port Line-in, Line-out, MIC-in 1 x PS/2 mouse and keyboard interface	2 x RS-232 1 x RS-232 (Alternative to RS-422/485) 2 x RJ-45 for LAN Port 2 x USB 2.0 1 x VGA Port Line-in, Line-out, MIC-in 1 x PS/2 mouse and keyboard interface 1 x 12VDC input Power Jack 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			
	Construction Chasis	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 50W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: 63000-FSP060DBAB1554-RS 60W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC	P/N: ACE-890A-RS 86W Power Supply Input: 90VAC ~ 264VAC Output: 12VDC	P/N: 63000-FSP084DMBA1308-RS 84W Power Adapter Input: 90VAC~264VAC, 50/60Hz Output: 12VDC
	DC Input	-	-	P/N: ACE-709TX-RS 90W Power Supply Input: 36VDC ~ 72VDC 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-3712GX S in a wide range of applications

Function



Dual Display



SATA Transmission



High Performance

IEI's New PPC-3712BA/BT Supports More Features as :

85~264V AC or 36~72 V DC power supply built-in without external power adapter

Without External Power Adapter!



DC 48V Input for Transportation Application!



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

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

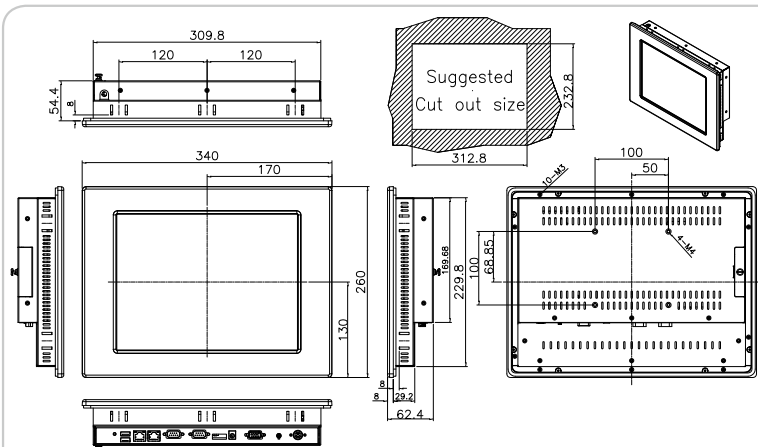


B: PPC-3712BT- N270/709/
R/1G-R20

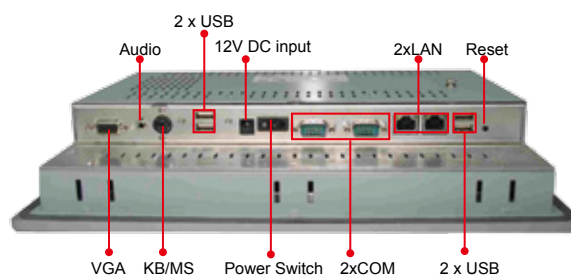
ACE-709TX
36~72 VDC Input Open Frame ATX Power

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		

Input Type	36 ~ 72 VDC (ACE-709TX)			
Output Voltage	+5 V	+12 V	-12V	+5 Vsb
ACE-890A	10A	2.5 A	0.5A	0.5A
Efficiency	70%			
Temperature	Operating : -20 °C~ 70 °C , Storage : -20 °C~ 85 °C			
MTBF(hrs)	170,000			

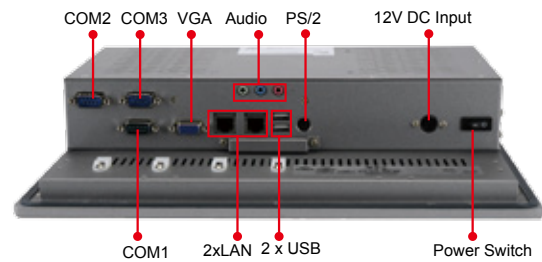
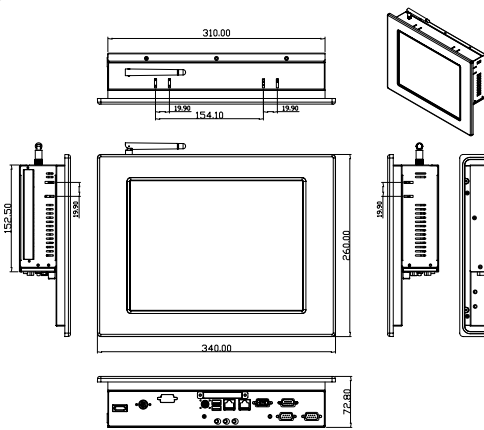


PPC-2712GS Dimensions (Unit: mm)



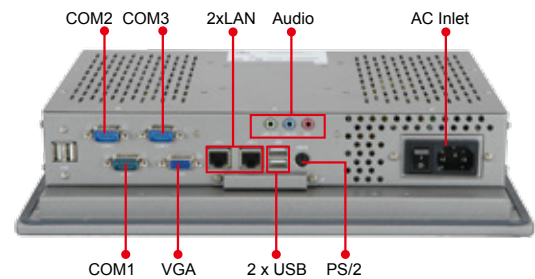
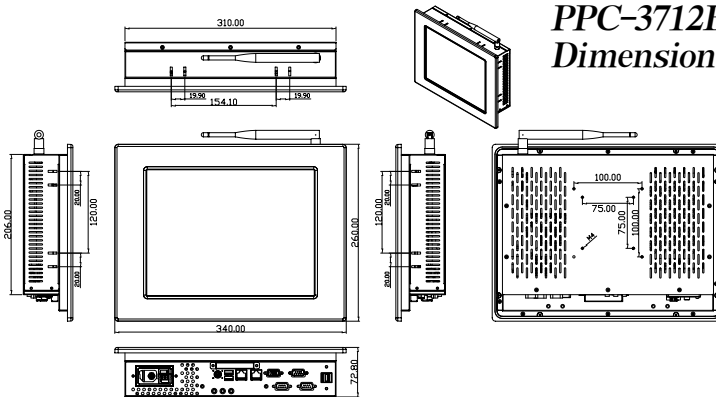
PPC-3712A/PPC-3712GXS-945

Dimensions (Unit: mm)



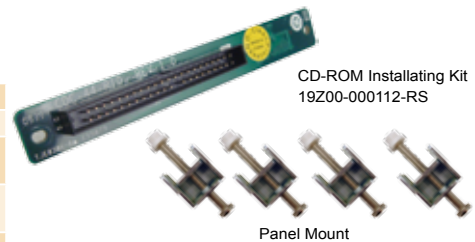
PPC-3712B

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	663000-FSP050DBAB1405-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 Kits	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 (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 12.1" 500 cd/m ² XGA Fanless Panel PC with AFLMB-LX-800, Silver Color & Touch Screen, 256MB DDR RAM, R20, RoHS
Intel® N270	AC Power Adapter PPC-3712A-N270/R/1G-R20 12.1" 500 cd/m ² XGA Fanless Panel PC, Intel® Atom™ N270 1.6GHz/ 512KB, 1GB DDR2, Res T/S, Silver Color, R20, RoHS
	AC Power Supply Built-in PPC-3712BA-N270/890/R/1G-R20 12.1" 500 cd/m ² XGA Fanless Panel PC, Intel® Atom™ N270 1.6GHz/ 512KB, 1GB DDR2, Res T/S, Silver Color, w/ACE-890A, R20, RoHS
	36VDC ~ 72VDC Input PPC-3712BT-N270/709/R/1G-R20 12.1" 500 cd/m ² XGA Fanless Panel PC, Intel® Atom™ N270 1.6GHz/ 512KB, 1GB DDR2, Res T/S, Silver Color, w/ACE-709TX, R20, RoHS
Intel® 945GME	PPC-3712GXS-945-C4/R/1G-R30 12.1" 500 cd/m ² 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 ² XGA TFT Panel PC with NANO-9452, Intel® Core Duo 1.66GHz T5500, Silver color, T/S, 1GB DDR2 RAM, R30, RoHS