

Industrial Aluminum PPC-51 Series

PPC-5190

Intel® Pentium® 4/Pentium® Dual-Core Processor with 19" SXGA TFT LCD and Touchscreen



Features

1. 19" TFT SXGA LCD
2. Intel® Pentium® 4 / Celeron® D CPU support FSB 533MHz up to 2.8GHz
3. DDR 266/333MHz DIMM memory up to 4GB
4. Dual Gigabit Ethernet support
5. One Compact Flash® Type II socket
6. Easy installing and mechanism design
7. IP 65 compliant aluminum die-casting front panel
8. IEI One Key Recovery solution allows you to create rapid OS backup and recovery (Suggest over 4GB storage capacity)



Specifications

Model		PPC-5190GS/8520	PPC-5190A-R11/9455	
Display	LCD Size	19"		
	Max Resolution	1280(W) x 1024(H)		
	Brightness (cd/m ²)	300		
	Contrast Ratio	700 : 1		
	LCD Color	16.7M		
	Pixel Pitch (mm)	0.294(H) x 0.294(V)		
	Viewing Angle (H-V)	170° / 160°		
	Backlight MTBF (hrs)	50,000		
Motherboard	SBC Model	POS-8520	POS-9455	
	CPU	Socket 478 Intel® Pentium® 4, Celeron M with 533MHz(max.) FSB	LGA 775 Socket with Intel® Core™2 Duo, Celeron® D with 533/800/1066 MHz	
	Chipset	Intel® 852GME + ICH5	Intel® 945G + ICH7R	
	RAM	Supports two 266/333MHz DDR DIMM (2GB Max.)	Supports two 400/533/667MHz DDR2 DIMM (4GB Max.)	
I/O Ports and Switches	4 x RS-232 COM Port 1 x RS-232/422/485 Port 2 x RJ-45 for LAN Port 6 x USB 2.0 1 x VGA Port 1 x Audio (Line-in, Line-out, MIC-in) 1 x PS/2 (KB/MS) 1 x Power Switch 1 x PCI Slot		4 x RS-232 COM Port 1 x RS-232/422/485 Port 2 x RJ-45 for LAN Port 6 x USB 2.0 1 x VGA Port 1 x Audio (Line-in, Line-out, MIC-in) 1 x PS/2 (KB/MS) 1 x Power Switch 1 x AT / ATX Switch 1 x PCI Slot	
	Driver Bay	HDD Driver Bay	1 x 2.5" SATA/IDE HDD bay with anti-shock (or two 2.5" SATA/IDE HDD bay without anti-shock)	1 x 2.5" SATA HDD bay with anti-shock (or two 2.5" SATA/IDE HDD bay without anti-shock)
		SSD	CF Type II	
		CD-ROM Driver Bay	Slim Type CD-ROM Bay	
	Extension Slot	1 x PCI slot		1 x PCI slot, 1 x PCIe mini card, 1 x PCIe by 1 slot (Option)
	Physical	Construction Front Panel	Aluminum	
		Construction Chassis	Heavy-duty Steel	
Mounting		Panel, Wall, Rack, Stand and Arm VESA 100mm x 100mm		
Front Panel Color		Silver (Pantone 8001C)		
Dimension (WxHxD) (mm)		483 x 399 x 115.2	483 x 399 x 115.2	
Environment	Net Gross Weight	12.6 Kg / 18.2 Kg		
	Operation Temperature (°C)	-10°C ~50°C		
	Storage Temperature (°C)	-20°C ~60°C		
	Vibration	5~17Hz, 0.1" double amplitude displacement / 17~640Hz, 1.5G acceleration peak to peak		
Touch Screen	Shoock		10G acceleration part to part (11ms)	
	Resistive Type 5-Wire with RS-232 interface			
Power Supply	ATX AC-Input	AC Input ATX Power Supply - P/N: ACE-4518AP-RS - 180W Power Supply - Input: 90VAC~240VAC, 50/60Hz - Output(max.): 3.3A@16.8A, 5V@12A, 12V@10A, -12V@0.8A	AC Input ATX Power Supply - P/N: ACE-A622A-RS - 220W Power Supply - Input: 90VAC~264VAC, 50/60Hz - Output(max.): 3.3A@14A, 5V@16A, 12V@10A, -12V@0.8A	
	ATX DC-Input	DC Input ATX Power Supply - P/N: ACE-4520C-RS - 200W Power Supply - Input: 24VDC, 50/60Hz - Output(max.): 3.3A@12A, 5V@12A, 12V@15.4A, -12V@0.5A	DC Input ATX Power Supply - P/N: ACE-4520C-RS - 200W Power Supply - Input: 24VDC, 50/60Hz - Output(max.): 3.3A@12A, 5V@12A, 12V@15.4A, -12V@0.5A	
Front Panel Protection	IP65 Compliant			
Certificate	Meets CE, FCC			
Ethernet	Dual Realtek RTL8110S GbE LAN		Dual Broadcom RTL8111CP PCIe Controllers	
Audio	AC' 97 2.3 Realtek ALC 655		AC' 97 2.3 Realtek ALC 883	

1 Automation Panel Solutions

2 All-in-One Touch POS

3 Digital Signage

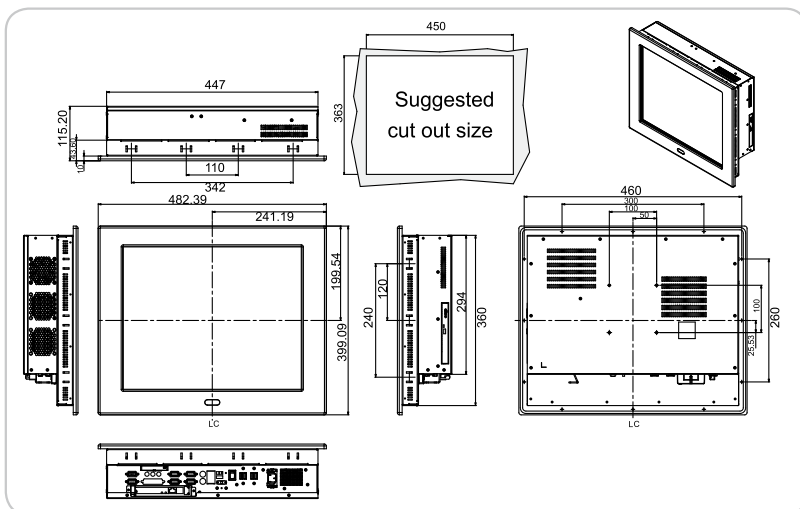
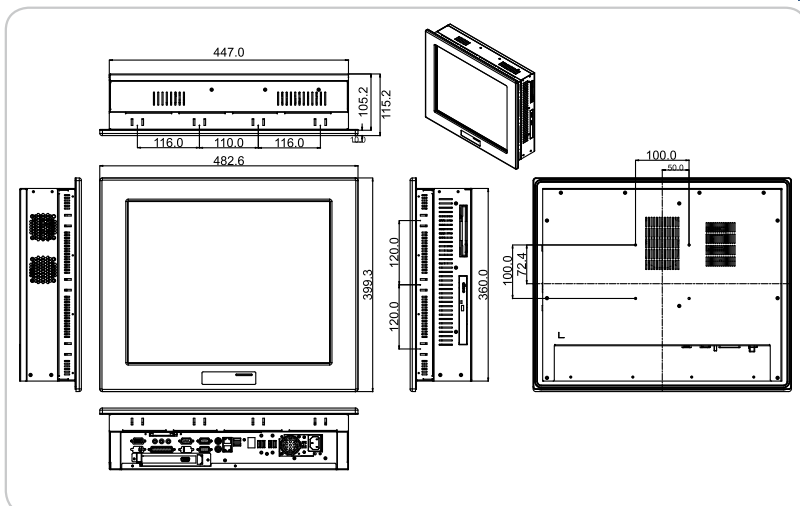
4 Video Wall Controller

5 RISC-based Solutions

6 PACSmate Medical

7 Optional Peripherals

Dimensions (Unit: mm)



Packing List

Description	Part Number	Amount
Slim Type Floppy Installation Kit	19B00-00013-RS (PPC-5170GS/8520)	1
Slim Type CD-ROM Installation Kit	19B00-000032-RS	1
HDD IDE Cable (44-pin + 2 x 40-pin)	32200-014506-RS (PPC-5170GS/8520)	1
HDD IDE Cable (44-pin + 40-pin)	32200-019201-RS (PPC-5170GS/8520)	1
HDD SATA Cable	32000-077000-RS	1
CPU Cooler	19100-000037-RS (PPC-5170GS/8520)	1
Two 2.5" HDD Installation Kit	41011-0397C0-00-RS	1
Screw Kit	19600-000078-RS	1
Jumper Pack	33100-000079-RS	1
Power Cord	32000-000002-RS	1
Panel Mounting Kit	PK-190M	1
Wall Mounting Kit	WK-190MS-R10	1
Touch Screen Driver CD / Touch Pen		1
User Manual & Driver CD		1

Options

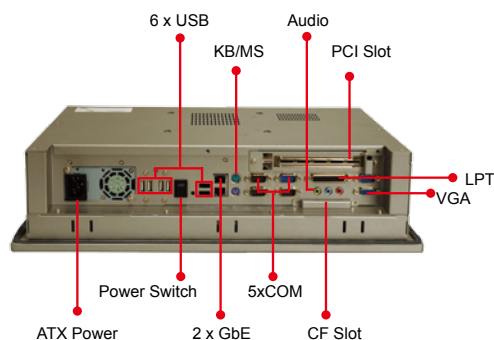
Panel Mounting Kit	PK-190M
Wall Mounting Kit	WK-190MS-R10
Rack mount kits	RK-190MS-R10
LCD Monitor Arm	ARM-31-RS
LCD Monitor Stand	STAND-210-R11
PCIe x 4 slot with PCIe x1 Signal Riser Card	134D270-00-102-RS (For PPC-5190A Only)

Ordering Information

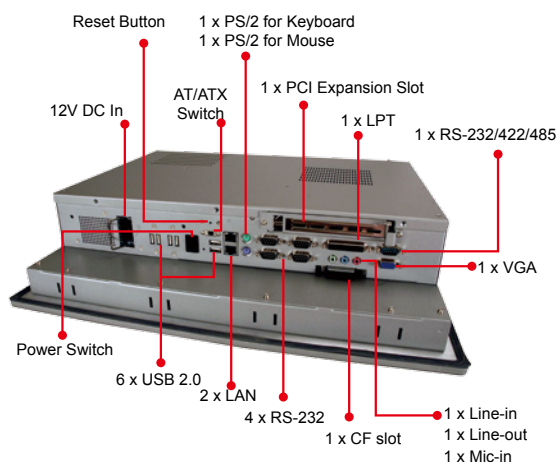
Intel® 852GM Platform	PPC-5190GS/8520-P4-28G/4518AP/T-R/1GB	19" 300 cd/m² SXGA TFT Panel PC with POS-8520,P4-2.8GHZ FSB533,1GB RAM,ACE-4518AP and touch screen Silver color,RoHS
	PPC-5190GS/8520-P4-28G/4520C/T-R/1GB	19" 300 cd/m² SXGA TFT Panel PC with POS-8520,P4-2.8GHZ FSB533,1GB RAM,ACE-4520C and touch screen Silver color,RoHS
Intel® 945GM Platform	PPC-5190A-R11/9455-E2160/A622A/T-R/1GB	19" 300cd/m² SXGA panel PC with POS-9455 R11 version,Pentium® Dual-Core E2160 1.8GHz CPU, 1GB DDR2 RAM, Silver color,PSU ACE-A622A, touch screen, RoHS
	PPC-5190A-R11/9455-E2160/4520C/T-R/1GB	19" 300 cd/m² SXGA panel PC with POS-9455 R11 version,Pentium® Dual-Core E2160 1.8GHz CPU, 1GB DDR2 RAM, Silver color, PSU ACE-4520C, touch screen, ,RoHS

Fully Integrated I/O

• PPC-5190G/8520



• PPC-5190A/9455



Big Screen for Multi-Display

PPC-5190GS equips 19" TFT LCD which is ideal for multi-display requirement such as digital surveillance or multi-operating system. With multi-display configuration, users can handle more tasks at the same time as well as saving resource and space.



1
Automation
Panel
Solutions

2
All-in-One
Touch POS

3
Digital
Signage

4
Video Wall
Controller

5
RISC-
based
Solutions

6
PACSmate
Medical

7
Optional
Peripherals