

15" Industrial Panel PC

**PPC-5152-D525**

15" Flat-bezel Industrial Panel PC



**Combo Gigabit LAN  
(SFP Fiber/RJ-45)**

**Features**

- Robust aluminum with IP 64 compliant front bezel design
- 5-wire resistive touch
- Intel® Atom™ D525 1.8GHz dual-core with fan-less design
- 15" 400 nits LED backlight panel with 1024 x 768 resolution
- Two USB 3.0, two USB 2.0 and five COM ports available
- Flexible expansion interface (two PCI slots or one PCI slot + one PCIe slot)
- Optional 4-channel video/audio capture card and Wi-Fi (802.11 b/g/n) available
- Built-in 1.3-megapixel webcam with autofocus, auto enhancement and auto white balance
- Dual combo (10/100/1000BASE-T(X) or 1000 baseSFP slot) gigabit LAN ports



**Specifications**

Model Name		PPC-5152-D525	
Display	LCD Size	15"	
	Max Resolution	1024(W) x 768(H)	
	Brightness (cd/m²)	400	
	Contrast Ratio	500:1	
	LCD Color	16.2M	
	Pixel Pitch (mm) (HxV)	0.1095(H) x 0.1095(V)	
	Viewing Angle (V/H)	160° / 140°	
	Backlight MTBF (hrs)	50000	
	Touch Screen	Resistive Type 5-Wire with RS-232 interface	
	Touch Controller	DMC 9000	
Motherboard	SBC	PPCMB-5152A-D525	
	CPU	Intel® Atom™ D525 1.8GHz dual core processor	
	Chipset	Intel® ICH8M	
	RAM	One 204-pin DDR3 SO-DIMM slot (Max.4GB)	
	Ethernet	Realtek RTL8111E PCIe GbE controller supporting ASF 2.0	
	Audio Codec	Realtek ALC888 audio codec	
I/O ports and switches		2 x RS-232 (DB-9 connector) 1 x RS-232 or RS-422/485 (DB-9 connector) 2 x RS-422/485 (RJ-45 connector) 2 x USB 2.0 connector VGA port (DB-15 connector) 2 x Audio jacks (line-out, Mic) 2 x USB 3.0 connector AT/ATX switch 2 x Combo (SFP / RJ-45) Gigabit LAN 4-channel video / audio capture (optional)	
	Drive Bay	HDD Drive Bay: 2.5" SATA HDD bay SSD: CF Type II socket CD-ROM Drive Bay: N/A	
	Physical	Front Panel Construction	Aluminum
		Chassis Construction	Heavy duty steel (SECC)
		Mounting	Panel, Wall, Rack, Stand and Arm (VESA 100 mm x 100 mm)
		Front Panel Color	Silver, Paint Tone PMS 8401C
		Dimensions (WxHxD) (mm)	422 x 331 x 80
		Cut Out Dimensions (WxH) (mm)	390 x 290
	Net / Gross Weight	6.5 kg/ 8.8 kg	
	Expansion Slot	Two PCI slots or one PCI slot plus one PCIe x1 slot Burglar-proof internal USB 2.0 port	
System Cooling	Fanless		
Environment	Operating Temperature	-20°C ~ 50°C	
	Storage Temperature	-20°C ~ 70°C	
	Vibration	MIL-STD-810F 514.5C-2 (with CF card or SSD)	
	Shock	Half-sine wave shock 3G; 11ms; 3 shocks per axis	
	IP level	Front Panel IP 64	
	Safety & EMC	CE / FCC	
Power	Power Adapter	90W power adapter Input: 100VAC~240VAC, 50/60Hz Output: 19V DC	
	Power Requirement	9~36V DC Jack 9~36V Terminal Block	
	Consumption	50W without add-on card	

## Ordering Information

	Part No.	Description
<b>Converter card (HPE-2S1)</b>	PPC-5152-D525/R/1G/2P-R12	15" 400 cd/m <sup>2</sup> XGA Fanless Panel PC with two PCI expansion slots, Intel® Atom™ D525 1.8GHz CPU, 1GB DDR3 RAM, 2M camera, microphone, touch screen, R12
<b>Converter card (HPE-2S2)</b>	PPC-5152-D525/R/1G/1P1E-R12	15" 400 cd/m <sup>2</sup> XGA Fanless Panel PC with one PCI and one PCIe x1 expansion slot, Intel® Atom™ D525 1.8GHz CPU, 1GB DDR3 RAM, 2M camera, microphone, touch screen, R12

## Options

Item	P/N	Description
Panel Mounting Kit	PK-170M	
Wall Mounting Kit	WK-190MS-R10	
ARM	ARM-11-RS/ARM-31-RS	
Stand	STAND-A19-RS/STAND-A21-R10/ STAND-210-R11	
Wi-Fi Module Kit	PPC-WL-KIT02-R11	Wi-Fi module with RF cable and antennas, 2T2R, 802.11 b/g/n.(Telec certified)
Gigabit Ethernet SFP Module	SFP1G-SX/-I	1Gbps SFP optical transceiver, multi-mode / 550m, 850nm (0 ~ 70°C) / industrial grade (-20 ~ 85°C)
	SFP1G-MLX/-I	1Gbps SFP optical transceiver, multi-mode / 2Km, 1310nm (0 ~ 70°C) / industrial grade (-40 ~ 85°C)
	SFP1G-LX10/-I	1Gbps SFP optical transceiver, single-mode / 10Km, 1310nm (0 ~ 70°C) / industrial grade (-40 ~ 85°C)
	SFP1G-XD70/-I	1Gbps SFP optical transceiver, single-mode / 50Km, 1550nm (0°C ~ 70°C) / industrial grade (-40°C ~ 85°C)
Fiber Cord	FPC-LCLC-MM3M	Optical connector LC/LC, multi-mode, diameter 62.5/125 μm, length 3m.
	FPC-LCLC-SS3M	Optical connector LC/LC, single-mode, diameter 9/125 μm, length 3m.
OS: Win XPE (4GB CF Card)	PPCCF-5152-D525-XPE-4G-R10	
OS: Win 7 Embedded (4GB CF Card)	PPCCF-5152-D525-WES7E-4G-R10	

(\*it doesn't include video/audio capture card's driver)

## Packing List

Item	P/N	Q'ty	Description
Utility CD	7B000-000732-RS	1	Drivers and user manual
One Key Recovery CD		1	
VESA Mounting Screw	44033-040062-RS	4	M4*6 for securing stand bracket
Chassis Screw	44013-030041-RS	4	M3*4 chassis screw for backup
Capture Card Screw	44003-030062-RS	4	M3*5 capture card screw for backup
VESA Fastener	19200-000024-RS	6	
HDD Screw	44043-030051-RS	4	
Pluggable DC-in Terminal Block	33101-000897-RS	1	
RJ-45 to DB9 COM port Cable	32005-000700-100-RS	2	
Touch pen	43125-0002C0-00-RS	1	
IR Remote Controller	7Z000-SLPCB005-RS	1	
Power Adapter	63040-010090-020-RS	1	FSP090-D2BA1;90~264VAC input;90W;19VDC output
Power Cord	32702-000401-100-RS	1	1500 mm, European Standard
Power Transfer Cord	32702-000300-100-RS	1	

## Dimensions (Unit: mm)

