

15" Industrial Panel PC

**PPC-5152-D525**

Intel® Atom™ D525 1.8GHz Dual Core Processor



**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
	Touchscreen	5-wire resistive type 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
I/O Ports and Switches	Audio Codec	Realtek ALC888 audio codec
		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
		1 x VGA port (DB-15 connector)
		2 x Audio jacks (line-out, Mic)
		2 x USB 3.0 connector
		1 x 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
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
System Cooling		Burglar-proof internal USB 2.0 port 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
Converter card (HPE-2S1)	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, touchscreen, R12
Converter card (HPE-2S2)	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 slots, Intel® Atom™ D525 1.8GHz CPU, 1GB DDR3 RAM, 2M camera, microphone, touchscreen, R12

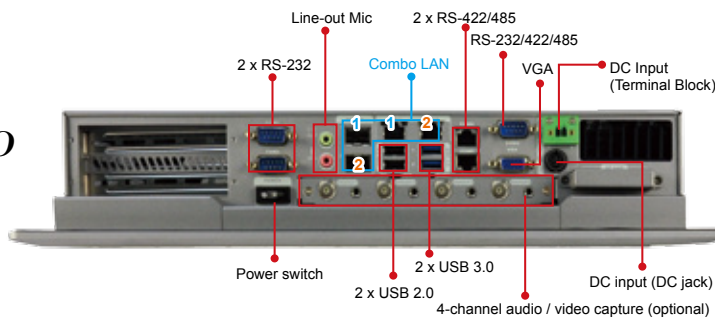
## Options

Item	P/N	Description
Panel Mounting Kit	PK-170M	
Wall Mounting Kit	WK-190MS-R10	
Rack Mounting Kit	RK-150MS2-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, 802.11b/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	

## 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	19Z00-000024-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	

## Fully Integrated I/O



## Dimensions (Unit: mm)

