

PEPPC Touch Panel PC Series

Fanless and scalable Touch Panel PCs with Resistive and PCAP touchscreen IP66 Powered by Intel® core Processors



An Ideal Panel PC for your Industrial Application

PEPPC Series includes an Aluminum front panel frame with 3 mm temperate glass and Chassis SECC steel galvanized and offer a fan-less architecture with a flexible and scalable configuration. This allows them to operate reliably in harsh environments. The cableless structure also optimizes thermal dissipation as well as ensures durability and reliability in industrial environments. Industrial PCs for panel mount are available in 4:3 or widescreen format display with the flexibility to configure in different CPUs

- Entry: Intel® Celeron® J1900 / N3350 / Intel® Pentium® N4200
- High-End: Intel® Core™ i3-7100T/i5-7500T/ i7-7700T

PCAP and resistive touch, and expansion options.

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Quick Selection Guide – PEPPC PCAP

PEPPC PCAP 10.4" / 12.1" / 15" / 15.6" / 17" / 18.5" / 21.5"

Model Name	PEPPC-C10	PEPPC-C12	PEPPC-C15	PEPPC-C16	PEPPC-C17	PEPPC-C18	PEPPC-C21
Display							
LCD Size	10.1" (16:9)	12.1" (4:3)	15" (4:3)	15.6" (16:9)	17" (4:3)	18.5" (16:9)	21.5" (16:9)
Resolution	1280 x 800	800 x 600 1024 x 768	1024 x 768	1366 x 768	1280 x 1024	1366 x 768 1920x1080	1920x1080
Brightness	300 cd/m ²	450/500 cd/m ²	500 cd/m ²	300 cd/m ²	350 cd/m ²	300/350 cd/m ²	250 cd/m ²
Contrast Ratio	800:1	700:1	1500 :1	500:1	1000:1	1000:1	1000:1
Backlight	LED type	LED type	LED type	LED type	LED type	LED type	LED type
Touch Screen	Projected capacitive multi-touch control						
System Configuration							
SoC (Entry)	Intel® Celeron® J1900	Intel® Celeron® N3350 / Intel® Pentium® N4200					
Memory (Entry)	DDR3L 1600 SO-DIMM up to 8GB	2x DDR3L SO-DIMM 1866 MHz up to 16 GB					
SoC (High)	N/A	Intel® Core™ i3-7100T/i5-7500T/ i7-7700T					
Memory (High)		2x DDR4 SO-DIMM 2133 MHz max 32 GB					
Graphics	Intel® Gen7 Graphics DX 11 OGL 3.2	Intel® Gen9 Graphics DX 12					
LAN Chipset	2x Realtek 8111G (Low)	2x Realtek 8111G (Entry series) Intel® I210/ I219V (High Series)					
Storage Device	1 x 2.5" SATA HDD/SSD	1x 2.5" SSD / HDD - 1x M.2 SATA (Entry series) 2x 2.5" SSD / HDD (High series)					
Audio	High Definition Audio						
OS	Windows 7 (only J1900 Cpu) Windows 10 / Linux™						
I/O Interface							
Series Port	PEPPC-C10: 1x COM (RS-232/422/485), 1x COM (RS-232) PEPPC-C12/C15/C16/C17/C18/C21 (Entry series): 3x COM (RS-232/422/485), 1x COM (RS-232) PEPPC-C12/C15/C16/C17/C18/C21 (High series): 2x COM (RS-232/422/485), 2x COM (RS-232)						
Display	PEPPC-C10: 1x VGA (1920x1200), 1x HDMI (1920x1200) PEPPC-C12/C15/C16/C17/C18/C21 (Entry series): 1x VGA (1920x1080), 1x HDMI (4096x2160) PEPPC-C12/C15/C16/C17/C18/C21 (High series): 2x HDMI (4096x2160)						
USB	2x USB 3.0, 4x USB 2.0	4x USB 3.0 (Entry series) 4x USB 3.0, 1x USB 2.0 (High series)					
Ethernet	2 x Gigabit Ethernet						
Others	PEPPC-C10: 1x Line-Out PEPPC-C12/C15/C16/C17/C18/C21: 1x Line-Out, 1x Mic-in, PS/2 (mouse and keyboard)						
Expansion	PEPPC-C10: 1x half size with PCIe x1 / x full size shared with mSATA (SATA2) PEPPC-C12/C15/C16/C17/C18/C21 (Entry series): 1x full size with PCIe x1 / 1x KeyE (2230) with PCIe x1 PEPPC-C12/C15/C16/C17/C18/C21 (high series): 1x half size with PCIe x1 / 1x full size mSATA (shared with SATA3)						
Mechanical							
Dimension(mm) (WxDxH)	275x190x73 mm	335x270x75mm (Entry) 335x270x95mm (High)	390x315x81 mm (Entry) 390x315x95 mm (High)	430x275x86 mm (Entry) 430x275x100 mm (High)	455x355x86 mm (Entry) 455x355x100 mm (High)	500x320x86 mm (Entry) 520x320x100 mm (High)	579x367x83 mm (Entry) 579x367x97 mm (High)
Mounting	Panel mounting with retaining clips (VESA by request)						
Weight (Kg)	2.5 Kg	3.5 Kg (Entry) 5.5 Kg (High)	4.5 Kg (Entry) 6.5 Kg (High)	6.0 Kg (Entry) 8.0 Kg (High)	6.0 Kg (Entry) 8.0 Kg (High)	7.5 Kg (Entry) 9.5 Kg (High)	8.0 Kg (Entry) 10.0 Kg (High)
Chassis	Aluminum front panel frame with 3 mm temperate glass and Chassis SECC steel (galvanized)						
Power							
Power Supply	PEPPC-C12/C15/C16/C17/C18/C21 (Entry): 24 VDC I/O isolation 2500 VDC PEPPC-C10/12/C15/C16/C17/C18/C21 (High): 24 VDC terminal block						
Consumption	29W	25W (Entry) 60W (high)	28W (Entry) 65W (High)	28W (Entry) 65W (High)	32W (Entry) 70W (High)	35W (Entry) 70W (High)	35W (Entry) 70W /High)
Input Voltage	9-36 VDC						
Environmental							
OP /Storage Temp	0 ~ 50 °C (32 ~ 122 °F) / -20 ~ 60 °C (-4 ~ 140 °F) 0 ~ 45 °C (32 ~ 113 °F) only for i7						
Operating Humidity	10 ~ 95 % @ 40°C (non-condensing)						
IP Protection	IP66 (Front)						
Certificate	CE - UL/CSA						

Quick Selection Guide – PEPPC RES

PEPPC RES 8.0"/10.1"/ 10.4" / 12.1" / 15" / 15.6" / 17" / 18.5" / 19" / 21.5"

Model Name	PEPPC-R8	PEPPC-R101	PEPPC-R104	PEPPC-R12	PEPPC-R15	PEPPC-R16	PEPPC-R17
Display							
LCD Size	8" (4:3)	10.1" (16:9)	10.4" (4:3)	12.1" (4:3)	15" (4:3)	15.6" (16:9)	17" (4:3)
Resolution	800 x 600	1024 x 600	800 x 600	800x600 or 1024x768	1024x768	1366 x 768	1280x1024
Brightness	250 cd/m ²	250 cd/m ²	230 cd/m ²	450 or 500 cd/m ²	300 cd/m ²	300 cd/m ²	250 cd/m ²
Contrast Ratio	500:1	500:1	500 :1	700:1	800:1	500:1	1000:1
Backlight	LED type	LED type	LED type	LED type	LED type	LED type	LED type
Touch Screen	Five wire resistive						
System Configuration							
SoC (Entry)	Intel® Celeron® J1900	Intel® Celeron® J1900	Intel® Celeron® N3350 / Intel® Pentium® N4200				
Memory (Entry)	DDR3L 1600 SO-DIMM up to 8GB	DDR3L 1600 SO-DIMM up to 8GB	2x DDR3L SO-DIMM 1866 Mhz up to 16 GB				
SoC (High)			N/A	Intel® Core™ i3-7100T/ i5-7500T/ i7-7700T			
Memory (High)			N/A	2x DDR4 SO-DIMM 2133 MHz max 32 GB			
Graphics	Intel® Gen7 Graphics DX 11OGL 3.2	Intel® Gen7 Graphics DX 11OGL 3.2	Intel® Gen9 Graphics DX 12				
LAN Chipset	Realtek 8111G	Realtek 8111G	Realtek 8111G	Realtek 8111G (Entry) Intel® I210/ I219V (High)			
Storage Device	1 x 2.5" SATA HDD/SSD	1 x 2.5" SATA HDD/SSD	1x 2.5" SSD / HDD - 1x M.2 SATA (2242/2260)	1x 2.5" SSD / HDD - 1x M.2 SATA (2242/2260) (Entry) 2x 2.5" SSD / HDD (High)			
Audio	High Definition Audio						
OS	Windows 7 (only J1900 Cpu) Windows 10 / Linux™						
I/O Interface							
Series Port	PEPPC-R8/R101: 1x COM (RS-232/422/485), 1x COM (RS-232) PEPPC-R104: 3x COM (RS-232/422/485) PEPPC-R12/R15/R16/R17 (Entry series): 3x COM (RS-232/422/485), 1x COM (RS-232) PEPPC-R12/R15/R16/R17 (High series): 2x COM (RS-232/422/485), 2x COM (RS-232)						
Display	PEPPC-R8/R101/R104: 1x VGA (1920x1200), 1x HDMI (1920x1200) PEPPC-R12/R15/R16/R17 (Entry series): 1x VGA (1920x1200), 1x HDMI (4096x2160) PEPPC-R12/R15/R16/R17 (High series): 2x HDMI (4096x2160)						
USB	2x USB 3.0, 2x USB 2.0	4x USB 3.0, 1x USB 2.0 on front panel		4x USB 3.0, 1x USB 2.0 on front panel (Entry) 4x USB 3.0, 1x USB 2.0, 1x USB 2.0 on front panel (High)			
Ethernet	2 x Gigabit Ethernet						
Others	PEPPC-R8/R101: 1x Line-Out PEPPC-R104/R12/R15/R16/R17 (Entry series): 1x Line-out, 1x Mic-in, 2x PS/2 (mouse and keyboard) PEPPC-R12/R15/R16/R17 (High series): 1x Line-Out, 1x Mic In						
Expansion	PEPPC-R8/R101: 1x half size with PCIe x1 / x full size shared with mSATA (SATA2) PEPPC-R104/R12/R15/R16/R17 (Entry series): 1x full size with PCIe x1 / 1x KeyE (2230) with PCIe x1 PEPPC-R12/R15/R16/R17 (High Series): 1x half size with PCIe x1 / 1x full size mSATA (shared with SATA3)						
Mechanical							
Dimension(mm) (WxDxH)	240x200x69 mm	300x185x61 mm	300x245x82 mm	335x270x81 mm (Entry) 335x270x95 mm (High)	390x315x81 mm (Entry) 390x315x95 mm (High)	430x275x86 mm (Entry) 430x275x100 mm (High)	455x355x86 mm (Entry) 455x355x100 mm (High)
Mounting	Panel mounting with retaining clips (VESA by request)						
Weight (Kg)	3.5Kg	2.5 KG	3.5 Kg	3.5 Kg (Entry) 5.5 Kg (High)	4.5 KG (Entry) 6.5 Kg (High)	6.0 Kg (Entry) 8.0 Kg (High)	6.0 Kg (Entry) 8.0 Kg (High)
Chassis	Anodized aluminum and Chassis SECC steel (galvanized)						
Power							
Power Supply	24 VDC terminal block						
Consumption	27W	29W	29W	25W (Entry) 70W (High)	28W (Entry) 70W (High)	28W (Entry) 70W (High)	32W (Entry) 70W (High)
Input Voltage	9-36 VDC						
Environmental							
OP /Storage Temp	0 ~ 50 °C (32 ~ 122 °F) / -20 ~ 60 °C (-4 ~ 140 °F) 0 ~ 45 °C (32 ~ 113 °F) only for i7						
Operating Humidity	10 ~ 95 % @ 40°C (non-condensing)						
IP Protection	IP66 (Front)						
Certificate	CE - UL/CSA						

For more information, please contact us or visit our website. Note: Information in this document is subject to change without prior notice

Quick Selection Guide – PEPPC RES

PEPPC RES 8.0"/10.1"/ 10.4" / 12.1" / 15" / 15.6" / 17" / 18.5" / 19" / 21.5"

Model Name	PEPPC-R18	PEPPC-R19	PEPPC-R21
Display			
LCD Size	18.5" (16:9)	19" (4:3)	21.5" (16:9)
Resolution	1366x768 or 1920x1080	1280x1024	1920x1080
Brightness	300 cd/m ² or 350 cd/m ²	350 cd/m ²	250 cd/m ²
Contrast Ratio	1000:1	1000:1	3000:1
Backlight	LED type	LED type	
Touch Screen	Five wire resistive		
System Configuration			
SoC (Entry)	Intel® Celeron® N3350 / Intel® Pentium® N4200		
Memory (Entry)	2x DDR3L SO-DIMM 1866 Mhz up to 16 GB		
SoC (High)	Intel® Core™ i3-7100T/ i5-7500T/ i7-7700T		
Memory (High)	2x DDR4 SO-DIMM 2133 MHz max 32 GB		
Graphics	Intel® Gen9 Graphics DX 12		
LAN Chipset	Realtek 8111G (Entry) Intel® I210/ I219V (High)		
Storage Device	1x 2.5" SSD / HDD - 1x M.2 SATA (2242/2260) (Entry) 2x 2.5" SSD / HDD (High)		
Audio	High Definition Audio		
OS	Windows 7 (only J1900 Cpu) Windows 10 / Linux™		
I/O Interface			
Series Port	PEPPC-R18/R19/R21 (Entry series): 3x COM (RS-232/422/485), 1x COM (RS-232) PEPPC-R18/R19/R21 (High series): 2x COM (RS-232/422/485), 2x COM (RS-232)		
Display	PEPPC-R18/R19/R21 (Entry series): 1x VGA (1920x1200), 1x HDMI (4096x2160) PEPPC-R18/R19/R21 (High series): 2x HDMI (4096x2160)		
USB	4x USB 3.0, 1x USB 2.0 on front panel (Entry) 4x USB 3.0, 1x USB 2.0, 1x USB 2.0 on front panel (High)		
Ethernet	2 x Gigabit Ethernet		
Others	PEPPC-R18/R19/R21 (Entry series): 1x Line-out, 1x Mic-in, 2x PS/2 (mouse and keyboard) PEPPC-R18/R19/R21 (high series): 1x Line-Out, 1x Mic-in,		
Expansion	PEPPC-R18/R19/R21 (Entry series): 1x full size with PCIe x1 / 1x KeyE (2230) with PCIe x1 PEPPC-R18/R19/R21 (High series): 1x half size with PCIe x1 / 1x full size mSATA (shared with SATA3)		
Mechanical			
Dimension(mm) (WxDxH)	500x320x86 mm (Entry) 500x320x100 mm (High)	490x390x86 mm (Entry) 490x390x100 mm (High)	579x367x81 mm (Entry) 579x367x95 mm (High)
Mounting	Panel mounting with retaining clips (VESA by request)		
Weight (Kg)	7.5 Kg (Entry) 9.5 Kg (High)	7.5 Kg (Entry) 9.5 Kg (High)	8.0 Kg (Entry) 10 Kg (High)
Chassis	Anodized aluminum and Chassis SECC steel (galvanized)		
Power			
Power Supply	24 VDC terminal block		
Consumption	35W (Entry) 70W (High)	35W (Entry) 70W (High)	35W (Entry) 70W (High)
Input Voltage	9-36 VDC		
Environmental			
OP /Storage Temp	0 ~ 50 °C (32 ~ 122 °F) / -20 ~ 60 °C (-4 ~ 140 °F) 0 ~ 45 °C (32 ~ 113 °F) only for i7		
Operating Humidity	10 ~ 95 % @ 40°C (non-condensing)		
IP Protection	IP66 (Front)		
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