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Welcome

Presentación Novedades 2021

Computadoras Industriales



News 2021

Agenda

➤ IPC's

- BL2 BPC 1541S / 1541E
- BL2 PPC AIO65 2000 7000
- PPC FPM AIO 69K
- BL2 PPC 1200

Confidential – For internal use only

BL2 BPC 1500 – Compact Box IPC

Overview

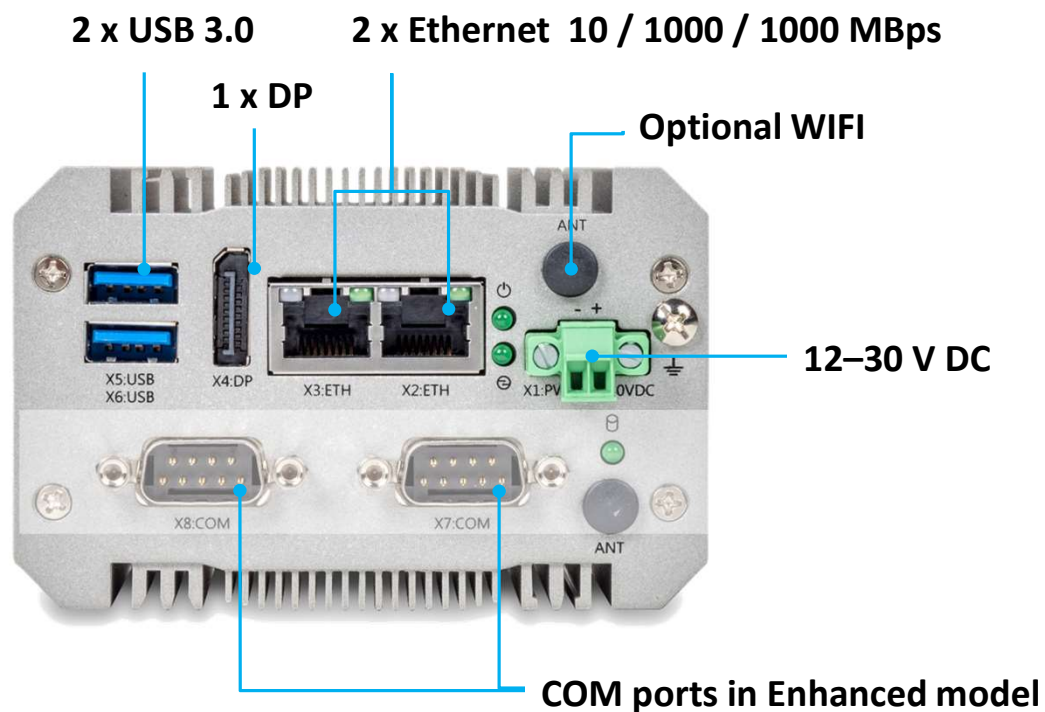
- Compact design to fit into small cabinet boxes
- Efficient performance with Intel Celeron N3350 or Atom E3940 CPU
- High reliability with passive cooling and solid-state mass storage media
- Available as Secure Hardware, equipped with TPM 2.0 module
- Flexible mounting options to compliment your application



BL2 BPC 1500 – Compact Box IPC

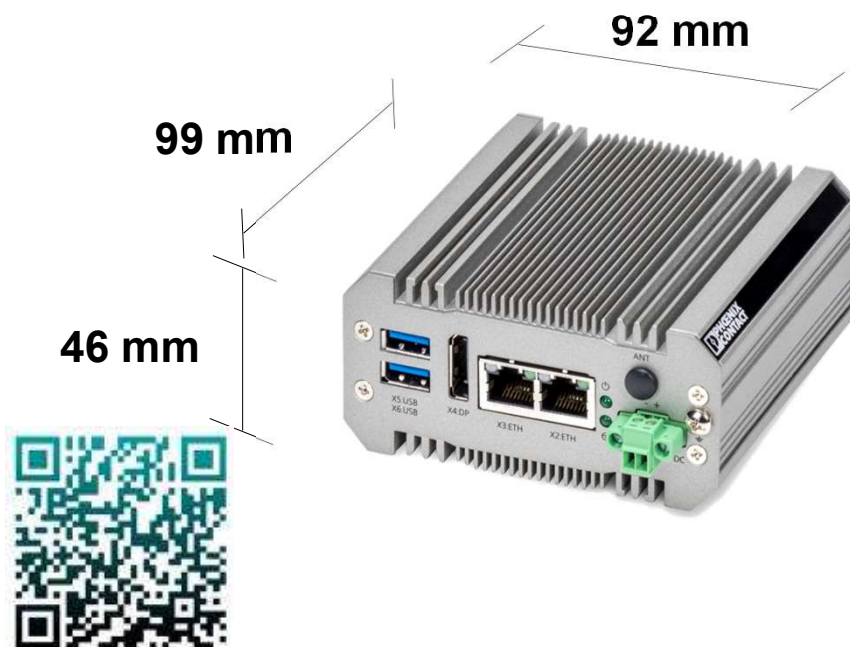
General technical data

- Intel Celeron N3350 CPU or Atom E3940
- 32 GB on-board eMMC storage
- m.2 SSD mass storage options
- Windows 10 IoT and Linux support
- Serial port options
- WLAN 802.11 options
- Din-rail and wall mounting options

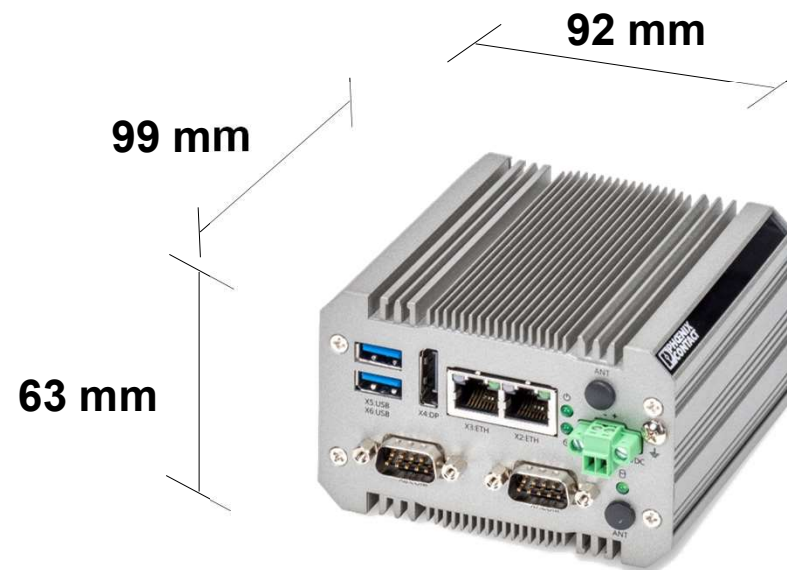


BL2 BPC 1500 – Compact Box IPC

Standard model – BL2 BPC 1501S



Extended model BL2 BPC 1501E



BL2 BPC 1500 and EPC 1500 series for Edge computing

Comparison BL2 BPC 1500 EPC 1500		
Hardware	Two CPU versions: Intel Celeron N3350 or Atom E3940	Intel N3350
Hardware security	Optional TPM 2.0	TPM 1.2
Software	Optional Windows 10 IoT	Linux, Edge computing engine
Software functionalities	N/A	• PLCnext inside • NodeRed • Web based management system • Proficloud, AWS, Azure and Google cloud access

Models 2020

BL2 BPC 1500



BL2 series box PCs

												
Designation – BL2 BPC...	1501S	1501S-W	1501E	1501E-W	1501E-64-W10	1501E-W-64-W10	1501E-128-W10	1501E-W-128-W10	1501E-64-W10-T	1501E-W-64-W10-T	1501E-128-W10-T	1501E-W-128-W10-T
Order no.	1130682	1141904	1130669	1141843	1158241	1158252	1158235	1158245	1158247	1158244	1158243	1158231
CPU	Intel® Celeron® N3350, 1.1 / 2.4 GHz (dual-core), passive cooled											
RAM	2 GB LPDDR4		4 GB LPDDR4									
Data memory	N/A		N/A		64 GB m.2 SSD		128 GB m.2 SSD		64 GB m.2 SSD		128 GB m.2 SSD	
Serial interfaces	N/A		1 x COM (RS-232); 1 x COM (RS 232/422/485)									
Wireless LAN		●		●		●		●		●		●
Hardware security	N/A								●	●	●	●
Dimensions (W x H x D in mm)	97 x 46 x 94		97 x 63 x 94									
Weight (in kg)	0.55		0.65									
Power consumption (in W) ¹	10.8		12.72									
Operating temperature	0 to 50°C											

New models 2021

BL2 BPC 1541-S or E

BL2 series box PCs		
		
Designation	BL2 BPC 1541S-4/64-W10	BL2 BPC 1541E-8/128-W10
Order no.	1272688	1272687
CPU	Intel® Atom® E3940 1.6 / 1.8 GHz (quad-core), passive cooled	
RAM	4 GB LPDDR4	8 GB LPDDR4
Data memory	64 GB eMMC	128 GB m.2
Serial interfaces	N/A	1 x COM (RS-232); 1 x COM (RS-232/422/485)
Wireless LAN		
Hardware security		
Dimensions (W x H x D in mm)	97 x 46 x 94	97 x 63 x 94
Weight (in kg)	0.55	0.65
Power consumption (in W) ¹	10.8	12.72
Operating temperature	-40 to 70°C	-20 to 60°C

New BPC

BL2 BPC 1541-S and BL2 BPC 1541-E

- Harsh environment, Low Price,

Ord.-No.	Designation	Function description
1272688	BL2 BPC 1541S-4/64	IP30-rated fanless industrial box PC (BPC) with energy-efficient quad-core Intel® Atom® E3940 processor with 64GB eMMC mass storage, 4GB of RAM. Temp: -40°C to 70°C
1272687	BL2 BPC 1541E-8/128	IP30-rated fanless industrial box PC (BPC) with energy-efficient quad-core Intel® Atom® E3940 processor with 128GB M.2 mass storage, 8GB of RAM, Temp: -20°C to 60°C

Features

- Compact size and price
- Wall mount or DIN rail Mount
- Operating temperature -20 to 60°C
- Quadcore Intel® Atom® E3940 1.6 / 1.8 GHz (Passive cooled)
- Works great with Linux and Windows
- Intel® HD Graphics 500
- 2 x Intel® i210 with dedicated MAC address
- IP 30 Protected from tools and wires greater than 2.5 millimeters

Stand alone IP65

BL2 PPC AI065





All-In-One Industrial PC – All-round IP65 protection for use in the field

Pre-Launch Information

BL2 PPC AIO65 – Portfolio

Main features

- 15.6"- 18.5", and 21.5" displays with Full HD resolution and PCAP Touch
- Intel® Pentium® N4200 or Core™ i5-7442EQ processor
- mSATA SSD data storage
- Windows® 10 IoT LTSC 2019
- Mounting on VESA, support arm, or stand
- Can be extended with pushbutton module and/or signal tower

 Web code: #2765		
Description	All-in-one industrial PC	
Processor	Intel® Pentium® N4200 1.1/2.4 GHz	Intel® Core™ i5-7442EQ 2.1/2.9 GHz
Display size	15.6", 18.5", or 21.5" (Full HD)	
Type	BL2 PPC AIO65 2000	BL2 PPC AIO65 7000
Order No.	1138366	1138367



Extra pushbutton module for BL2 PPC AIO65 operating panels

Prepared for 9 or 11 x 22.5 mm holes
for accommodating hardware pushbuttons,
supplied without wiring or pushbuttons

BL2 AIO65 9 PB BOX	BL2 AIO65 11 PB BOX
1160210	1160209

New Hygienic for F&B, Pharmaceutical and Chemical Industries

PPC FPM AIO 69K

Features

- ✓ 15.6", 17.3" and 23.8" Full HD display
- ✓ Intel® Celeron® or Core™ i5
- ✓ PCAP Multi-Touch
- ✓ Closed stainless steel housing
- ✓ All-round protection IP69K
- ✓ Splinter protection film (optional)
- ✓ WLAN + Bluetooth (optional)

Customer benefits

- ✓ Robust and powerful under extreme conditions
- ✓ Stable and resistant due to a closed stainless steel housing
- ✓ Hygiene design with passive cooling
- ✓ Scalable processor performance depending on the application
- ✓ Easy installation and service
- ✓ Easy mounting with boom adapter or VESA adapter

Product picture



Food and Beverage, Pharmaceutical, Chemical Industries, Health and Care, Life Science

PPC and FPM AIO69K – Portfolio

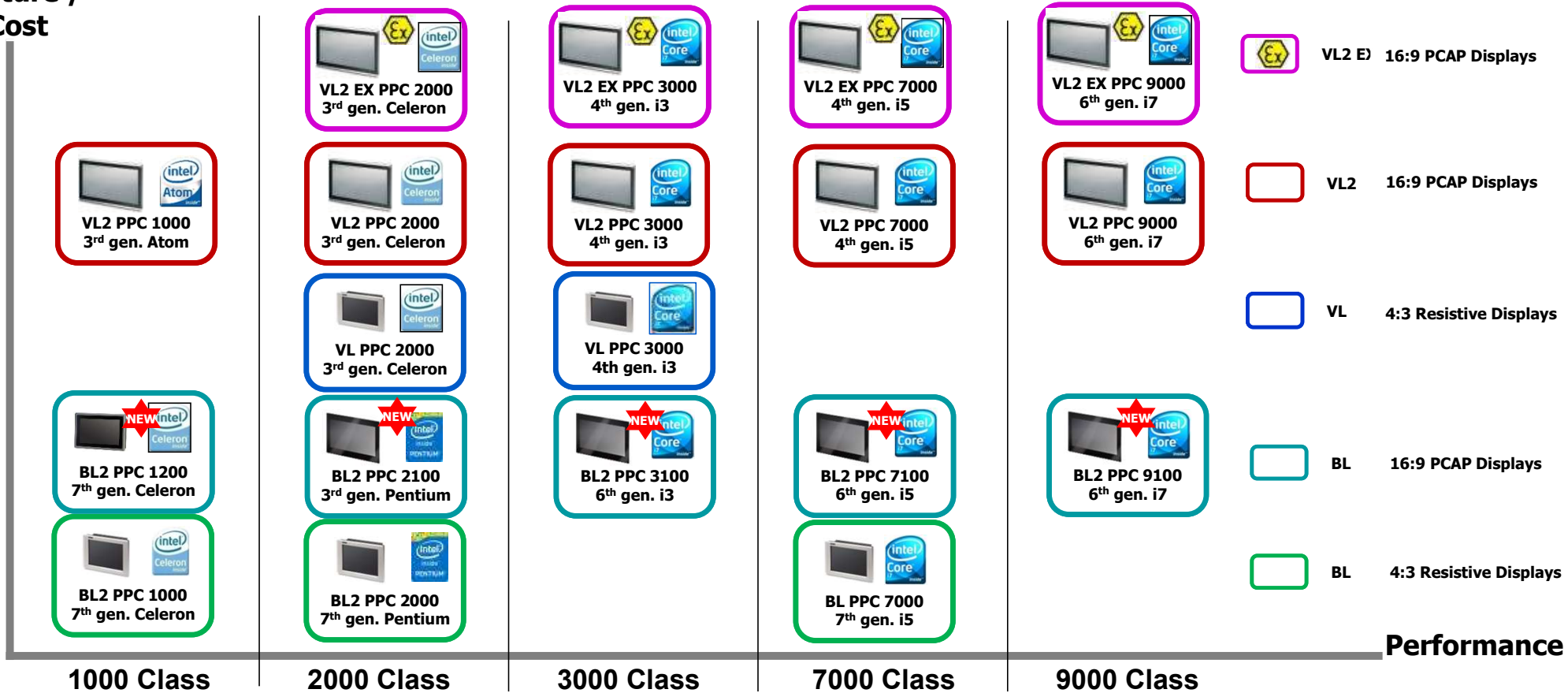
Ord.-No.	Designation		Function description
1261660	FPM 15.6 69K		Stainless steel Monitor with 15,6" Display and Full HD resolution in IP69k
1261658	FPM 15.6 69K SP		Stainless steel Monitor with 15,6" Display and Full HD resolution in IP69k and splinter protection film
1261657	FPM 17.3 69K		Stainless steel Monitor with 17,3" Display and Full HD resolution in IP69k
1261656	FPM 17.3 69K SP		Stainless steel Monitor with 17,3" Display and Full HD resolution in IP69k and splinter protection film
1261659	FPM 23.8 69K		Stainless steel Monitor with 23.8" Display and Full HD resolution in IP69k
1261662	FPM 23.8 69K SP		Stainless steel Monitor with 23,8" Display and Full HD resolution in IP69k and splinter protection film
1262469	PPC 17.3 AIO 69K		Stainless steel configurable PPC with 17,3" Display and Full HD resolution in IP69k
1262470	PPC 23.8 AIO 69K		Stainless steel configurable PPC with 23,8" Display and Full HD resolution in IP69k

Panel IPCs & Monitor Solutions



Panel PC Lineup

Feature /
Cost



Performance



BL2 PPC 1200 – Compact basic panel PC

Value statements

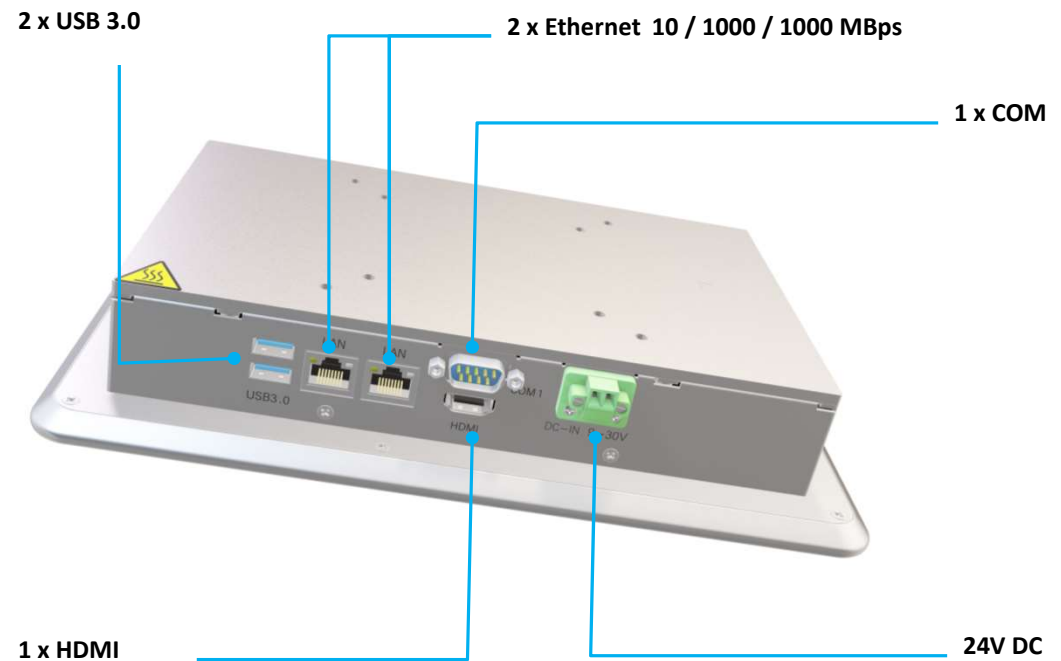
- Compact, elegant all metal design
- Flush IP65 front with 10 pt. PCAP multi touch interface
- Efficient performance with Intel Celeron N3350 CPU
- Interface - rich with additional slot for I/O expansion



BL2 PPC 1200 – Compact basic panel PC

General technical data

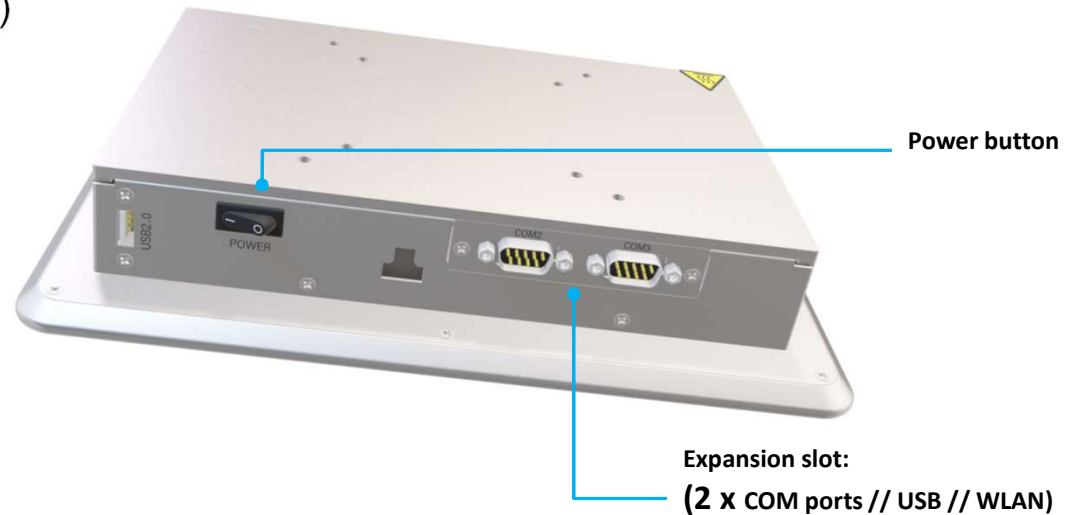
- 7" and 10" PCAP multi touch (10 finger)
- VESA 75 mount
- Intel Celeron N3350 CPU
- 4 GB RAM
- mSATA storage options
- Windows 10 IoT & Linux support
- I/O expansion options



BL2 PPC 1200 – Compact basic panel PC

General technical data

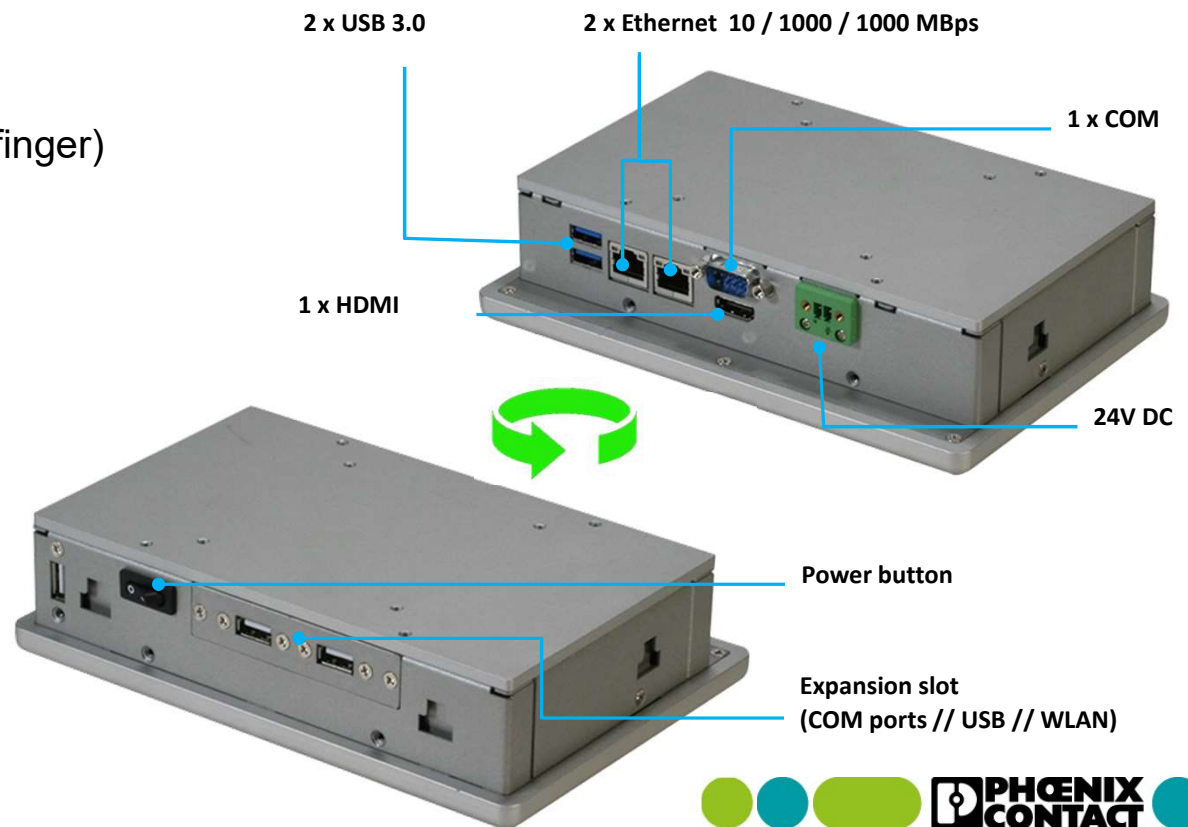
- 7" and 10" PCAP multi touch (10 finger)
- Intel Celeron N3350 CPU
- 4 GB RAM
- mSATA storage options
- Windows 10 IoT & Linux support
- I/O expansion options



BL2 PPC 1200 – Compact basic panel PC

General technical data

- 7" and 10" PCAP multi touch (10 finger)
- VESA 75 mount
- Intel Celeron N3350 CPU
- 4 GB RAM
- mSATA storage options
- Windows 10 IoT & Linux support
- I/O expansion options



BL2 PPC 1200 – Compact basic panel PC

Target applications

- High-end industrial HMI
- Smart home control panel
- IIoT applications
- Operator panel for smart city applications
- Distributed data collector & processing
- Edge and data driven services
- Machine building operator panel
- Kiosks



BL2 PPC 1200 – Compact basic panel PC (7")

	Phoenix Contact BL2 PPC7 1201	Phoenix Contact VL2 PPC 1000		
				
CPU	N3350	E3845		
Screen	7" – 16:9 – 2 pt. PCAP	7" – 16:9 – 10 pt. PCAP		
Interfaces	2 x ETH; 2 x USB 2.0; 2x USB 3.0; 2 x COM	2 x ETH; 2 x USB 2.0; 1.x USB 3.0; 1 x COM		
Options / Expansions	2 x COM; 2 x USB 2.0	2 x COM + 2 x CAN OR 2 x COM		
Operating system	Windows 10 IoT	Win 7; Win 10 IoT		
Operating temp.	0 .. 50C	0 .. 50C		
Power consumption	14.9 W	26.4 W		

BL2 PPC 1200 – Compact basic panel PC (10”)

	Phoenix Contact BL2 PPC10 1201	Phoenix Contact VL2 PPC9 1000			
					
CPU	N3350	E3845			
Screen	10" PCAP – 2 pt.	9" PCAP – 10 pt.			
Interfaces	2 x ETH; 2 x USB 2.0; 2x USB 3.0; 2 x COM	2 x ETH; 2 x USB 2.0; 1.x USB 3.0; 1 x COM			
Options / Expansions	2 x COM; 2 x USB 2.0	2 x COM + 2 x CAN OR 2 x COM			
Operating system	Windows 10 IoT	Win 7; Win 10 IoT			
Operating temp.	0 .. 50C	0 .. 50C			
Power consumption	14.9 W	33.6 W			

BL2 PPC 1200 – Compact basic panel PC

1139136 BL2 PPC10 1201 configuration dependent

BL2 PPC 1200 10" screen, Intel® Celeron® N3350 processor, 4 GB of RAM.

1274012 BL2 PPC7 1201-4/64-W10

BL2 PPC 1200 with 7" screen, 4 GB RAM, 64 GB SSD, Windows 10 IoT Enterprise

1274014 BL2 PPC10 1201-4/128-W10

BL2 PPC 1200 with 10" screen, 4 GB RAM, 128 GB SSD, Windows 10 IoT Enterprise



BL2 PPC 1200 – Compact basic panel PC

Key Take Aways

- Compact form factor to fit into compact cabinets and spaces
- Clean, flush design
- Embedded CPU technology
- Configurable options
- Expandable
- Robust full metal housing for impact protection and EMI
- Competitively priced!



Compact Basic Panel PC – BL2 PPC 1200

- **10 pt. PCAP (Multi-Touch) Panel PCs in 16:9 display aspect ratio**

- ✓ Display sizes 7" and 10"
- ✓ Expansion option (USB / COM)
- ✓ Windows 10 IoT
- ✓ Passive cooled
- ✓ mSATA mass storage
- ✓ Panel- and VESA mount

- **Intel CPU technology**

- ✓ BL2 PPC 1000 – Celeron N3350 1.1/2.4 GHz (2 core)





Danke