



**FORTEC**  
GROUP

**POS-PRO**series

Industrial robust monitor solution 10.1 inch

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One partner, unlimited technology solutions

Designed,  
developed and  
made in Germany

# Product Features

PROseries 10.1



## Monitor description

- IP65 proof front monitor solution
- robust, slim cover offers all options for integration and various applications and various modern business scenarios
- equipped with industrial displays and designed for long term availability
- 10.1" offers two variants of displays
- light and slim design presents a trendy and fantastic look
- integrated 10 finger PCAP touchscreen
- passive cooling allows operating the system under full load even at high ambient temperatures
- VESA Mounting holes for using as an HMI or mounted on a stand
- As Option: in-wall mounting frame for integration in walls



## POS-RP

- featuring the Raspberry Pi CM3+ based TFT platform Artista-IoT
- driven by single 12 or 24V power supply
- industrial functions like Real-Time-Clock and others
- Basis configuration: CM3+ | 32G
- Standard configuration: Raspberry Pi®
- As Option: WiFi - or Bluetooth adapters via LAN or USB

## POS-IQ

- High performance Intel® Pentium® N4200 processor
- 4GB highspeed RAM and an industrial grade SSD with 64GB memory
- driven by single 12V-24V power supply
- As Option: WiFi - or Bluetooth adapters via LAN or USB



Robust Monitor  
Series

Touchscreen  
Monitors

IP 65 proof front



ARM for IoT

# Panel housing

## PROseries 10.1

	Measure	Description
Version		Standard WXGA
Panel Diagonal	[mm] / [Inch]	256.5/ 10.1
Type		POS-PROseries incl. Touchscreen
Resolution	[Pixel]	1280 x 800 (WXGA)
Luminance (center)	[cd/m <sup>2</sup> ]	850
Viewing angle (U/ D/ L/ R)	[°]	85/ 85/ 85/ 85
Active area (H/V)	[mm]	216.81 x 135.5
Backlight		LED
Number of colors	[M]	16.7
Contrast ratio		700:1
Response time (on/off)	[ms]	25
Pixel class		ISO 9241-307 (pixel error class II)
Life time back light until reaching half brightness	[h]	50.000
Continuous operating time	[h] / [d]	24/ 7
Mounting	[mm]	VESA 200 x 100
Storage & Operation humidity	[%]	10 ~ 90 (non condensing)
Panel orientation		Landscape and Portrait
Location of connectors and OSD buttons		Landscape mode (front view): backside middle, OSD left Portrait mode (front view): backside left, OSD top
Housing		Front: powdered aluminum, silver RAL 9007   Backside: stainless steel
IP rating		Front IP65
Touchscreen   number of points		PCAP   10
Power supply	[V]	12-24 (MO   IQ)   12 or 24 (RP)
Conformity		CE, FCC Class A, EU-RoHS
Packaging		Single packaging
Package Contents		Safety instructions



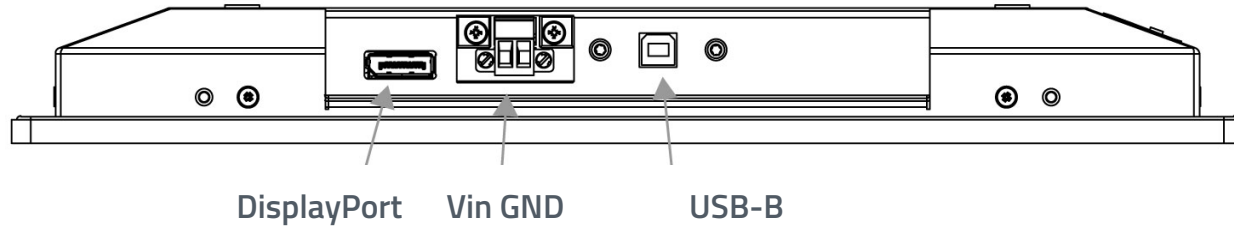
Monitor POS-PRO 10.1 front view

All figures are typical values. The real values of the panel may vary. The optical characteristics are determined after the panel has been „ON“ for approximately 30 minutes at an ambient temperature of 25° C (77° F).

Life time of the backlight is defined as the time to take until the brightness reduces to 50% of its original value.

# PRISMA PME - DisplayPort

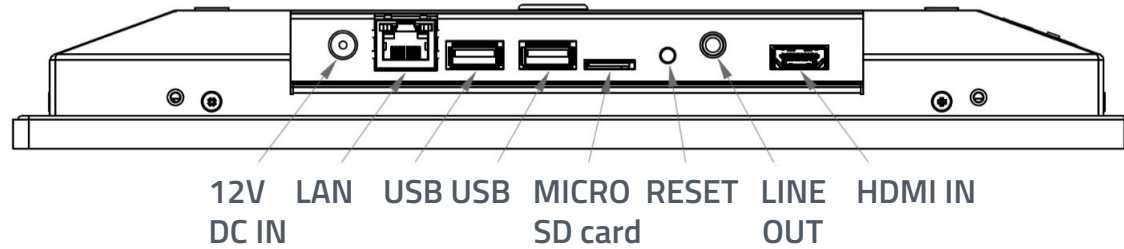
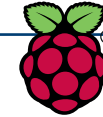
## PROseries 10.1



		WXGA Panel
Order number POS-MO-PRO		MO-06-306
Interfaces		USB-B (Touch), DisplayPort
Weight	[kg]	1.5
Dimensions (W x H x D)	[mm]	264.1 x 182.7 x 34
Power consumption (typ.)	[Watt]	10
Storage temperature	[°C] / [°F]	-30 ~ 80 / -22 ~ 176
Operating temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158

Backside and front of POS-PRO 10.1 Monitor

# IOT - Raspberry® IoT Controller



## PROseries 10.1

WebPoster M3 is an industrial FHD network player to show websites. It is a special designed FORTEC Integrated O/S for Artista IOT monitors.

Firmware is compatible with touchscreen applications.



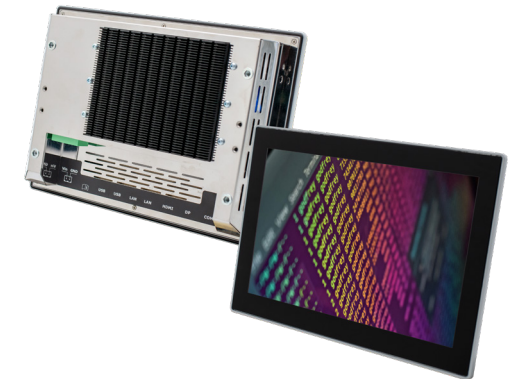
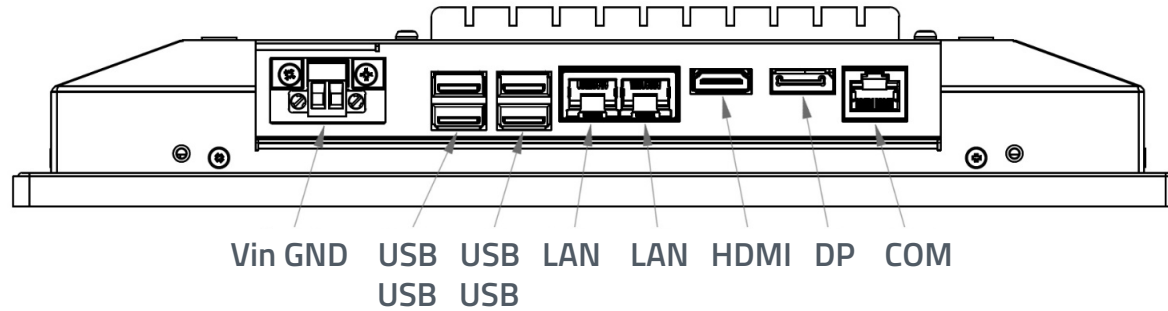
Front of POS-PRO 10.1 Monitor

		WXGA Panel
Order number POS-RP-PRO		MO-06-004
Order number POS-VP-PRO		MO-06-054
Order number POS-WP-PRO		MO-06-074
Interfaces		1 x LAN, 2 x USB,, 1 x HDMI, 1 x Audio Line-Out, 1 x MicroSD card slot
Raspberry® PI		CM3+, 32 GB
Weight	[kg]	1.5
Dimensions (W x H x D)	[mm]	264.1 x 182.7 x 34
Power consumption (typ.)	[Watt]	10
Storage temperature	[°C] / [°F]	-30 ~ 80/ -22 ~ 176
Operation temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158

# PC Intel® - Pentium®



## PROseries 10.1



Backside and front of POS-IQ-PRO 10.1 Monitor

		WXGA Panel
Order number POS-IQ-PRO		MO-06-103
Interfaces		1 x DP, 1 x HDMI, 2x Ethernet RJ45, 4x USB 3.0
PC		CPU: Intel® Pentium® N42000 processor, RAM: 4 GB DDR3L, Storage: min. 64 GB M.2 SATA
Weight	[kg]	1.7
Dimensions (W x H x D)	[mm]	264.1 x 182.7 x 48.6
Fan		no, passive cooling
Power consumption (typ.)	[Watt]	22
Storage temperature	[°C] / [°F]	0 ~ 70/ 32 ~ 158
Operation temperature	[°C] / [°F]	0 ~ 60/ 32 ~ 140

# Accessories

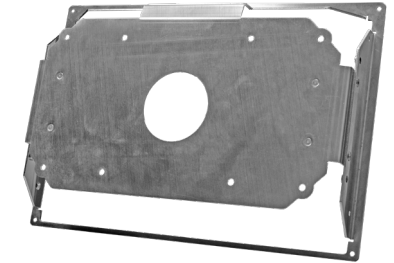
Article	order no.	Description
In-Wall Mounting Frame	MK-06-021	POS-PRO In-Wall mounting Frame 10.1 inch   MO-06-306 for a variety of integrations in concrete, wooden, or drywall constructions
	MK-06-001	POS-PRO In-Wall mounting Frame 10.1 inch   POS-RP/ VP/ WP for a variety of integrations in concrete, wooden, or drywall constructions
	MK-06-002	POS-IQ-PRO In-Wall mounting Frame 10.1 inch   MO-06-103 for a variety of integrations in concrete, wooden, or drywall constructions

Article	order no.	Description
Power supply 12V/ 5A	NT-01-062	AC Adapter C14/12V5A
Power cord EU	DB-07-225	IEC PowerCord (EU-C13) 3x0,75 black, 1,8m
Power cord UK	DB-07-226	Power Cord (UK - C13) black, 1,8m
Power cord USA	DB-07-238	Power Cord (US-C13) black, 1,8m/6 feet
DisplayPort cable	KA-40-105	Cable DisplayPort 1.2 4k male/ male, 2m

Article	order no.	Description
WiFi	PC-05-071	DELOCK 12462 WLAN Stick/Antenna USB 2.0 for POS-RP-PRO ans POS-IQ-PRO

## PROseries 10.1

### Mounting



In-Wall Mounting frame for POS-PRO 10.1

### Power | Cable

### Others

# Accessories

## PROseries 10.1

## Software

Article	order no.	Description
WIN 10 IOT	LC-10-001	Windows 10 IoT Enterprise for POS-IQ-PRO
Android 13	on request	Android 13 for POS-IQ-PRO

Windows 10 IoT Enterprise is a full version of Windows 10 that provides enterprise manageability and security for embedded devices and IoT solutions such as medical devices, industrial automation, measurement systems, and more. It's a binary equivalent of Windows 10 Enterprise, so you can use the same familiar development and management tools as you would on client PCs and laptops. The embedded version of Windows 10 IoT Enterprise is supported by Microsoft for at least 10 years.

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# CONTACT

## FORTEC GROUP

**FORTEC Elektronik AG** | Augsburg Str. 2b | 82110 Germering  
+49 89 894450-0  
info@fortecag.de | [www.fortecag.de](http://www.fortecag.de)

## FORTEC INTEGRATED

**FORTEC Integrated GmbH** | Augsburg Str. 2b | 82110 Germering  
+49 89 894363-0  
info@fortec-integrated.de | [www.fortec-integrated.de](http://www.fortec-integrated.de)

## FORTEC EGYPT

**FORTEC Electronic Design and Solutions Egypt SMLC** | Linx Business Park | Unit B318  
Smart Village | Giza Governorate  
+49 89 894363-0  
info@fortec-integrated.de | [www.fortec-integrated.de](http://www.fortec-integrated.de)

## FORTEC POWER

**FORTEC Power GmbH** | Lise-Meitner-Straße 3 | 64560 Riedstadt  
+49 6158 8285-0  
weborder@fortec-power.de | [www.fortec-power.de](http://www.fortec-power.de)

**AUTRONIC Steuer und Regeltechnik GmbH** | Siemensstraße 17 |  
74343 Sachsenheim  
+49 7147 24-0  
vertrieb@autronic.de | [www.autronic.de](http://www.autronic.de)

## FORTEC CZECH REPUBLIC

**FORTEC Czech Republic s.r.o.** | Přátelství 275 | 330 02 Dýšina  
+420 377 845878  
fortec@fortec.cz | [www.fortec.cz](http://www.fortec.cz)

## FORTEC SWITZERLAND

**FORTEC Switzerland AG** | Bahnhofstraße 3 | 5436 Würenlos  
+41 44 7446111  
info@fortec.ch | [www.fortec.ch](http://www.fortec.ch)

## FORTEC UNITED KINGDOM

**FORTEC Technology UK Ltd.** | Osprey House | 1 Osprey Court  
Hinchingbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN  
+44 1480 411600  
info@fortec.uk | [www.fortec.uk](http://www.fortec.uk)

## FORTEC UNITED STATES

**FORTEC US, Corp.** | 87 Raynor Avenue Unit 1 | Ronkonkoma | NY | 11779  
+1 631 5804360  
info@fortec.us | [www.fortec.us](http://www.fortec.us)