



**FORTEC**  
GROUP

**POS-PRO**series

Industrial robust monitor solution 13.3 inch

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One partner, unlimited technology solutions

Designed,  
developed and  
made in Germany

# Product Features

PROseries 13.3



## 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
- 13.3" offers second variant with high brightness display
- 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+ | 32GB
- 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 13.3

	Measure	Description	
Version		Standard	High Bright
Panel Diagonal & Pixel class	[mm] / [Inch]	337.8/ 13.3   ISO 9241-307 (pixel error class II)	
Type		POS-PROseries incl. Touchscreen	POS-PROseries HB incl. Touchscreen
Resolution	[Pixel]	1920 x 1080 (FHD)	
Luminance (center)	[cd/m <sup>2</sup> ]	350	800
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89	88/ 88/ 88/ 88
Active area (H/V)	[mm]	293.5 x 165.1	
Backlight & Number of colors	[M]	LED   16.7	
Contrast ratio		800:1	1000:1
Response time (on/off)	[ms]	25	
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 temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158	
Operating temperature	[°C] / [°F]	-20 ~ 50/ -4 ~ 122	
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   glass thickness [mm]		PCAP   10   ESG 1.8	
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	



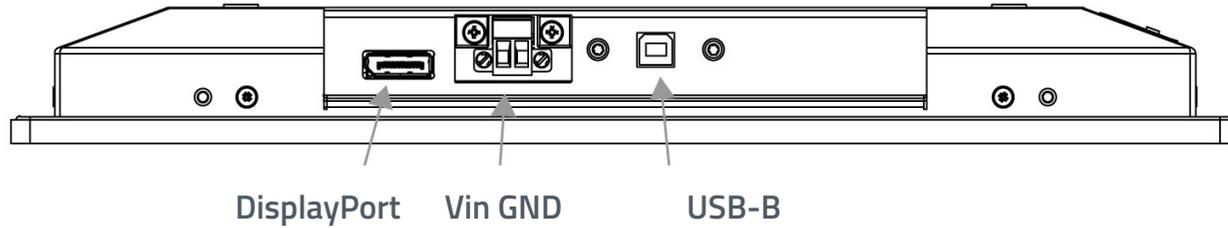
Monitor POS-PRO 13.3 front view

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 13.3

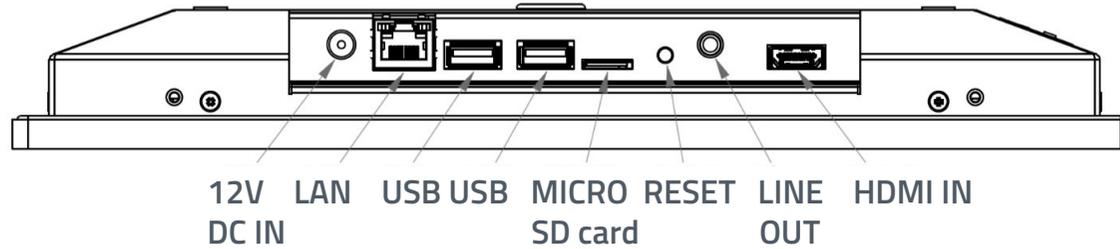
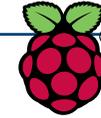


		Standard Panel	High Bright Panel
Order number POS-MO-PRO		MO-06-310	MO-06-311
Interfaces		USB-B (Touch), DisplayPort	
Weight	[kg]	1.8	1.8
Dimensions (W x H x D)	[mm]	344.1x213.6x39.6	
Power consumption (typ.)	[Watt]	8	9
Storage temperature	[°C] / [°F]	-30 ~ 80 / -22 ~ 176	
Operation temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158	



Backside and front of POS-PRO 13.3 Monitor

# IOT - Raspberry® IoT Controller



## PROseries 13.3

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 13.3 Monitor



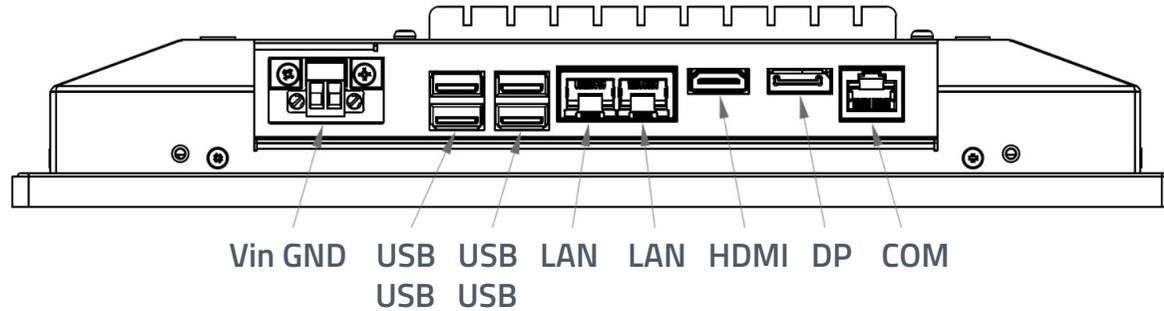
In-Wall Mounting Frame of POS-PRO 13.3 Monitor

		Standard Panel	High Bright Panel
Order number POS-RP-PRO		MO-06-014	MO-06-015
Order number POS-VP-PRO		MO-06-059	MO-06-060
Order number POS-WP-PRO		MO-06-079	MO-06-080
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]	1.8	
Dimensions (W x H x D)	[mm]	344.1 x 213.6 x 36.6	
Power consumption (typ.)	[Watt]	13	14
Storage temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158	
Operating temperature	[°C] / [°F]	-20 ~ 50/ -4 ~ 122	

# PC Intel® - Pentium®



## PROseries 13.3



Backside and front of POS-IQ-PRO 13.3 Monitor

		Standard Panel	High Bright Panel
Order number POS-IQ-PRO		MO-06-113	MO-06-114
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]	2.0	2.0
Dimensions (W x H x D)	[mm]	344.1 x 213.6 x 42.3	
Fan		no, passive cooling	
Power consumption (typ.)	[Watt]	22	23
Storage temperature	[°C] / [°F]	0 ~ 70 / 32 ~ 158	
Storage temperature	[°C] / [°F]	0 ~ 50/ 32 ~ 122	

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# Accessories

## PROseries 13.3

### Mounting

Article	order no.	Description
In-Wall Mounting Frame	MK-06-022	POS-PRO In-Wall mounting Frame 13.3 inch for MO for a variety of integrations in concrete, wooden, or drywall constructions
	MK-06-020	POS-PRO In-Wall mounting Frame 13.3 inch for RP/ VP/ WP for a variety of integrations in concrete, wooden, or drywall constructions

### Power | Cable

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

### Others

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

### 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.

Our corporate network supports you worldwide with offices in Germany, Austria, Switzerland, Great Britain and the USA.  
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