FORTEC
GROUP

POS-PROseries

Industrial robust monitor solution 7.0 inch

One partner, unlimited technology solutions

FORTEC GROUP

Product Features

Designed, developed and made in Germany

PROseries 7.0

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

→ 7.0" 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

Robust Monitor Series

Touchscreen Monitors

IP 65 proof front

IP 65 RATED

ARM for IoT

Panel housing

PROseries 7.0

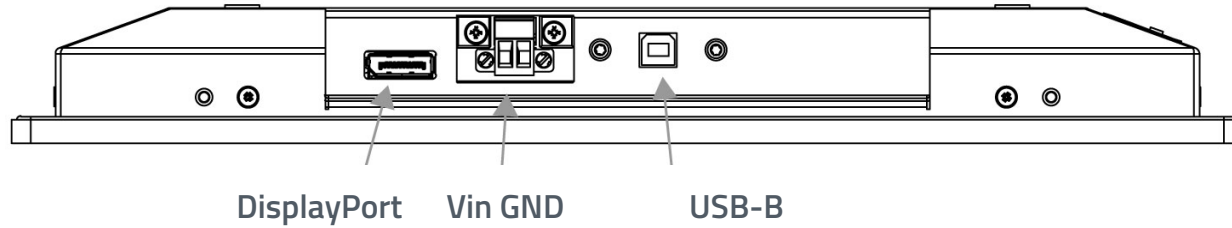|	Measure	Description	
Version		Standard	High Bright
Panel Diagonal	[mm] / [Inch]	177.8/ 7.0	
Type		POS-PROseries incl. Touchscreen	POS-PROseries HB incl. Touchscreen
Resolution	[Pixel]	1280 x 800 (WXGA)	
Luminance (center)	[cd/m²]	500	800
Viewing angle (U/ D/ L/ R)	[°]	85/ 85/ 85/ 85	80/ 80/ 80/ 80
Active area (H/V)	[mm]	149.76 x 93.6	
Backlight		LED	
Number of colors	[M]	16.7	
Contrast ratio		800:1	
Response time (on/off)	[ms]	35	
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 75 x 75	
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 | TSG 1.5	
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 7.0 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.
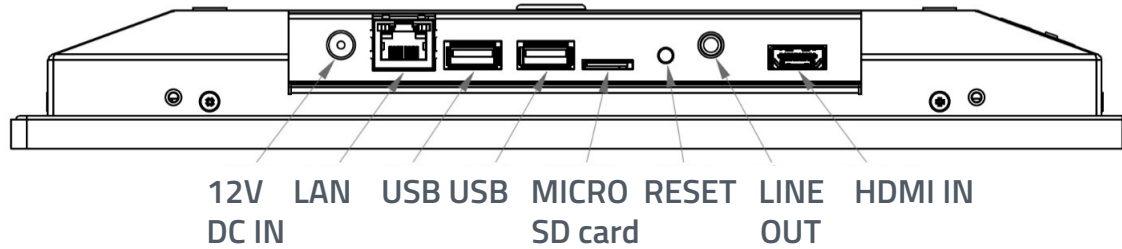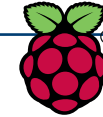
PRISMA PME - DisplayPort

PROseries 7.0

DisplayPort   **Vin GND**   **USB-B**

		Standard Panel
Order number POS-MO-PRO		MO-06-302
Interfaces		USB-B (Touch), DisplayPort
Weight	[kg]	1.0
Dimensions (W x H x D)	[mm]	200.6 x 139.6 x 34
Power consumption (typ.)	[Watt]	7
Storage temperature	[°C] / [°F]	-30 ~ 80 / -22 ~ 176
Operation temperature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158

Backside and front of POS-PRO 7.0 Monitor

IOT - Raspberry® IoT Controller

PROseries 7.0

| 12V DC IN | LAN | USB | USB | MICRO SD card | RESET | LINE OUT | HDMI IN |

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

Firmware is compatible with touchscreen applications.

		Standard Panel	High Bright Panel
Order number POS-RP-PRO		MO-06-008	MO-06-011
Order number POS-VP-PRO		MO-06-058	MO-06-061
Order number POS-WP-PRO		MO-06-078	MO-06-081
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]	1.0	
Dimensions (W x H x D)	[mm]	200.6 x 139.6 x 34	
Power consumption (typ.)	[Watt]	7	
Storage temperature	[°C] / [°F]	-30 ~ 80 / -22 ~ 176	
Operating temparature	[°C] / [°F]	-20 ~ 70 / -4 ~ 158	

Front of POS-PRO 7.0 Monitor

In-Wall Mounting Frame of POS-PRO 7.0 Monitor

Accessories

PROseries 7.0

Mounting

Article	order no.	Description
In-Wall Mounting Frame	MK-06-014	POS-PRO In-Wall mounting Frame 7.0 inch 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

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Contact

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