



Round Monitors

FORTEC
GROUP

POS-I-PRO SERIES

Information

One partner, unlimited technology solutions

Product Features

POS-I-PRO



- Round 3.4" CE certified monitor series in four configurations
- integrated capacitive 10 points touchscreen
- Powder coated aluminum frame
- wide operating temperature range (Top -20 up to +70°C)
- Robust solution for demanding applications
- Protected against dust and water jets from the front according to IP65
- Easy installation via mounting bolts on the back
- EU norm

Option:

- Smaller and larger designs on project basis
- Larger round monitors with displays from AUO



Round Display

**PCAP Touch
integrated**

Front IP65

Technical Datas

POS-I-PRO

	Measure	Description
Panel Diagonal	[mm] / [Inch]	86.36/ 3.4
Type		Round display with touch and housing
Resolution	[Pixel]	800 x 800
Luminance (center)	[cd/m²]	350
Viewing angle (U/ D/ L/ R)	[°]	80/ 80/ 80/ 80
Active area (H/V)	[mm]	87.6 x 87.6
Backlight & Number of colors	[M]	LED 16.7
Contrast ratio		800:1
Response time (on/off)	[ms]	25
Mounting	[mm]	Wall mount included
Storage temperature	[°C] / [°F]	-30 ~ 80 / -4 ~ 140
Operating temperature	[°C] / [°F]	-20 ~ 70/ 32 ~ 104
Storage temperature with RP4	[°C] / [°F]	0 ~ 50/ 32 ~ 104
Operating temperaturewith RP4	[°C] / [°F]	0 ~ 50/ 32 ~ 104
Housing		Powdered aluminum
Touchscreen		PCAP, 10 points
Power supply	[V]	5
Power consumption (typ.) Display Display +RP4	[W]	4.7 9.7
Interface Display		5V, USB, HDMI-In
Interface RP4 Module		5V, USB, Audio, SD Card, LAN, HDMI, 4 GB Memory, 16 GB SD
Weight	[kg]	V1 = 0.175 V2 = 0.250 V3 = 0.4 V4 = 0.58
Dimension (W x H x D)	[mm]	125 x 125 x 16.7
Conformity		CE, EU-RoHS,



Touchdisplay: DE-05-017
(Disea ZW-T034TQH-04CP-B3.4R)

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.

Product Lineup - Stairs of Variants

POS-I-PRO

POS-I-034-00-PRO-V1

800x800 | PCT



MO-06-401

Variant 1, Base Module

- Display
- Touch
- Housing

POS-I-034-00-PRO-V2

800x800 | PCT | Cable



MO-06-402

Variant 2, Base Module
+ additional Cable Set

- Display
- Touch
- Housing
- Cable

POS-I-034-00-PRO-V3

800x800 | PCT | RP4



MO-06-403

Variant 3, Base Module
+ Raspberry Pi Module
+ additional Cable Set

- Display
- Touch
- Housing
- Cable
- Raspberry Pi 4 (external)

POS-I-034-00-PRO-V4

800x800 | PCT | RP4 | Frame



MO-06-404

Variant 4
Pre Assembled Monitor
Module

- Display
- Touch
- Housing
- Cable
- Raspberry Pi 4
- Mounting Frame

Base Monitor | MO-06-401

POS-I-PRO

POS-I-034-00-PRO-V1

- Base monitor
- 10 points touchscreen
- 0.7 mm coverglass
- O-ring sealing
- Powder coated metal housing
- Mounting bolts



Monitor | MO-06-402

POS-I-PRO

POS-I-034-00-PRO-V2

- Monitor
- 10 points touchscreen
- 0.7 mm coverglass
- O-ring sealing
- Powder coated metal housing
- Mounting bolts

additional

- Cable HDMI 1m
- Cable USB (touch) 1m



Monitor Solution | MO-06-403

POS-I-PRO

POS-I-034-00-PRO-V3

- Monitor solution
- 10 points touchscreen
- 0.7 mm coverglass
- O-ring sealing
- Powder coated metal housing
- Mounting bolts
- Cable HDMI 1m
- Cable USB (touch) 1m

additional

- **Raspberry Pi4 (PC-02-022)**
 - 1,5 GHz ARM Cortex-A72 Quad-Core-CPU
 - 4 GB LPDDR4 SDRAM
 - Gigabit LAN RJ45 | Bluetooth 5.0
 - 2 y USB 2.0 | 2 x USB 3.0 | 2 x micro HDMI | USB-C @ 5V/ 3A



Monitor Solution | MO-06-404

POS-I-PRO

POS-I-034-00-PRO-V4

- Monitor solution
- 10 points touchscreen
- 0.7 mm coverglass
- O-ring sealing
- Powder coated metal housing
- Mounting bolts
- Cable HDMI 0.3 m
- Cable USB (touch) 0.3 m
- Raspberry Pi4

additional

- In-wall mounting frame



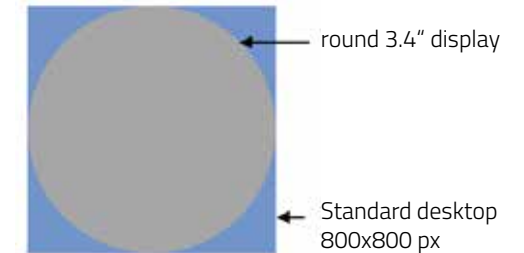
Options

FORTEC Integrated offers a customized GUI demo application based on Embedded Wizard. The demo features a round user interface and offers multitouch functionality such as swipe gestures. More information: [Embedded Wizard | simplify your GUI Development](#)

[Alternatively, you can install a web browser and use it in kiosk mode to display web-based content as a custom user interface.](#)

POS-I-PRO

Firmware



The OS is not able to adapt the rectangular workspace to the round screen area. The corners (blue) are therefore not displayed.

Accessories

Article	order no.	Description
PSU USB-C	NT-01-104	AC Adapter KSA-15E-051300HE black, EU
Raspberry Pi Module	PC-02-022	Raspberry Pi B 4GB
Micro SD Card	PC-04-030	microSDHC card 16 GB SANDISK ULTRA 80 MB/s
WiFi	PC-04-035	Wireless USB Adapter EDIMAX EW-7811UN V2

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Our company network supports you worldwide with branches in Germany, Austria, Switzerland, the UK and the USA.
For further information, please contact us:

CONTACT

FORTEC GROUP

FORTEC Elektronik AG | Augsburger Str. 2b | 82110 Germering
+49 89 894450-0
info@fortecag.de | www.fortecag.de

FORTEC INTEGRATED

FORTEC Integrated GmbH | Augsburger Str. 2b | 82110 Germering
+49 89 894363-0
info@fortec-integrated.de | 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.eg | www.fortec.eg

FORTEC POWER

FORTEC Power GmbH | Lise-Meitner-Straße 3 | 64560 Riedstadt
+49 6158 8285-0
weborder@fortec-power.de | www.fortec-power.de

AUTRONIC Steuer und Regeltechnik GmbH | Siemensstraße 17 |
74343 Sachsenheim
+49 7147 24-0
vertrieb@autronic.de | 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

FORTEC SWITZERLAND

FORTEC Switzerland AG | Bahnhofstraße 3 | 5436 Würenlos
+41 44 7446111
info@fortec.ch | www.fortec.ch

FORTEC UNITED KINGDOM

FORTEC Technology UK Ltd. | Osprey House | 1 Osprey Court
Hinchingsbrooke Business Park | Huntingdon | Cambridgeshire | PE29 6FN
+44 1480 411600
info@fortec.uk | 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