**FORTEC**
GROUP

# POS-Line 15.0

High-quality, robust monitors for process automation in industry

One partner, unlimited technology solutions

# Product Features

**POS**-Line 15.0

## Monitor description

→ Highly variable industry 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

→ light and slim design presents a modern small look

→ 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

→ Mounting brackets for in-wall mounting

→ safety glass available

## POS-Line IOT

→ featuring the Raspberry Pi CM3+ based TFT platform Artista-IoT

→ industrial functions like Real-Time-Clock and others

→ Basis configuration: CM3+ | 32GB

→ Standard configuration: Raspberry Pi®

## POS-Line IQ

→ High performance Intel® Celeron® J3455 processor

→ 4GB highspeed RAM and an industrial grade SSD with 128 GB memory

**Robust Monitor Series**

**Variable front options**

# Panel and Housing

**POS**-Line 15.0

| | Measure | Description |
|---|---|---|
| Panel Diagonal | [mm] / [Inch] | 381/ 15 |
| Type | | Open -frame monitor with 2 mounting brackets (various bezels, TrueFlat glass and touch solutions are available under options) |
| Resolution | [Pixel] | 1024 x 768 |
| Luminance (center) | [cd/m²] | 500 |
| Viewing angle (U/ D/ L/ R) | [°] | 88/ 88/ 88/ 88 |
| Backlight \| Number of colors | — \| [M] | LED \| 16.7 |
| Active area (H/V) | [mm] | 304.1 x 228.1 |
| Contrast ratio | | 2500:1 |
| Response time (on/off) | [ms] | 21 |
| Pixel class | | ISO 9241-307 (pixel error class II) |
| Life time back light until reaching half brightness | [h] | 70.000 |
| Continuous operating time | [h] / [d] | 24/ 7 |
| Mounting | [mm] | VESA 200 x 100 |
| Storage temperature | [°C] / [°F] | -40 ~ 85 / -40 ~ 185 |
| Storage/ Operating humidity | [%] | 10 ~ 90 (non condensing) \| 20 ~ 90 (non condensing) |
| Panel orientation | | Landscape and Portrait |
| Location of connectors | | Landscape: bottom/ Portrait: left (front view) |
| Location of OSD buttons | | Landscape: bottom/ Portrait: right (front view) |
| Housing | | Powdered Aluminium, black RAL 9005 |
| IP grade | | IP 65 on the front if option TrueFlat glass |
| Conformity | | CE, FCC Class A, EU-RoHS |
| Packaging | | Single packaging single packaging, up to 4 via parcel service, from 5 units on cargo pallet (max. 16 packages p.p.) |
| Package Contents | | Safety instructions |

Monitor open frame including two standard brackets

Monitor with TrueFlat glass

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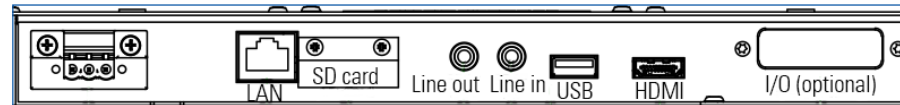Life time of the backlight is defined as the time to take until the brightness reduces to 50% of its original value.

# Video PME - VGA, HDMI, Display Port

**POS**-Line 15.0

| Order number | | DS-91-766 |
|---|---|---|
| Interfaces | | 1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote |
| Operating temperature | [°C/ F°] | -20 ~ 65/ -4 ~ 149 |
| Power supply | [V] | 12 |
| Power consumption (typ.) | [Watt] | 10 |
| Weight | [kg] | 2.2 |
| Dimensions (W x H x D) | [mm] | 333.4 x 265.4 x 51.0 |

# VideoPoster - Network Multimediaplayer

| Order number | | DS-91-767 |
|---|---|---|
| Interfaces | | 1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot |
| Operating temperature | [°C/ F°] | -25 ~ 50/ -13 ~ 122 |
| Power supply | [V] | 12 |
| Power consumption (typ.) | [Watt] | 11 |
| Weight | [kg] | 2.3 |
| Dimensions (W x H x D) | [mm] | 333.4 x 265.4 x 51.0 |
| Package contents | | USB Stick 8 GB |

# WebPoster M3 - Website Player

**POS**-Line 15.0

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.
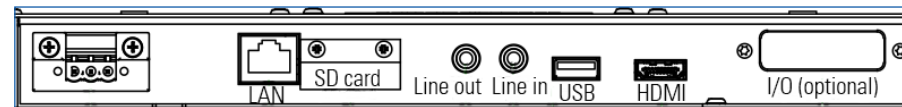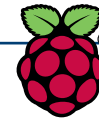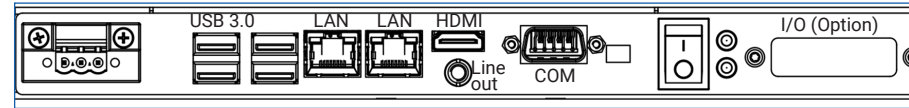
| Order number | | DS-92-233 |
|---|---|---|
| Interfaces | | 1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot |
| Raspberry® PI | | CM3+, 32 GB |
| Operating temperature | [°C/ F°] | -25 ~ 50/ -13 ~ 122 |
| Power supply | [V] | 12 |
| Power consumption (typ.) | [Watt] | 11 |
| Weight | [kg] | 2.3 |
| Dimensions (W x H x D) | [mm] | 333.4 x 265.4 x 51.0 |

# IOT - Raspberry® IoT Controller

| Order number | | DS-91-816 |
|---|---|---|
| Interfaces | | 1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot |
| Raspberry® PI | | CM3+, 32 GB |
| Operating temperature | [°C/ F°] | -25 ~ 50/ -13 ~ 122 |
| Power supply | [V] | 12 |
| Power consumption (typ.) | [Watt] | 11 |
| Weight | [kg] | 2.3 |
| Dimensions (W x H x D) | [mm] | 333.4 x 265.4 x 51.0 |

# IQ Celeron - PC Intel® Celeron®

## POS-Line 15.0

| Order number | | DS-92-180 |
|---|---|---|
| Interfaces | | 2 x Gigabit LAN, 4 x USB 3.0, 1 x HDMI, 1 x RS232/422/485 |
| PC | | Intel® Celeron® J3455 (1,5GHz/2,3GHz), RAM: 4 GB DDR3L, Storage: min. 120 GB mSATA |
| Fan | | no |
| Operating temperature | [°C/ F°] | 0 ~ 45/ 32 ~ 113 |
| Power supply | [V] | 12 - 26 |
| Power consumption (typ.) | [Watt] | 19 |
| Weight | [kg] | 2.2 |
| Dimensions (W x H x D) | [mm] | 333.4 x 265.4 x 51.0 |

Various accessories are available for POS-Line monitors.
All monitors can be customized according to your specific requirements.

Please contact our sales team if you are interested in product modifications or custom designs.

# Options

| Order number | | DS-91-323 |
|---|---|---|
| Name | | Front bezel |
| Finish | | Steel, powdered, black RAL 9005 |
| Can be combined with | | Resistive touch, Safety glass |
| Weight | [kg] | 0.50 |
| Dimensions of monitor with option (W x H x D) | [mm] | 336.4 x 268.4 x 52.5 |

## Bezel



Front bezel is a metal bezel for the open frame chassis and VESA mount.

| Order number | | DS-90-194 | DS-91-753 |
|---|---|---|---|
| Name | | Safety glass | TrueFlat glass |
| Finish | | Safety glass TSG, 3mm anti glare | Safety glass TSG, 3mm anti glare, printed black passepartout RAL 9005 |
| IP grade | | IP 64 in combination with bezel or plate ** | Front IP 65** |
| Can be combined with | | Front bezel, front plate | — |
| Weight | [kg] | 0.60 | 1.00 |
| Dimensions of monitor with option (W x H x D) | [mm] | 336.4 x 265.4 x 51.0 | 373.4 x 301.4 x 57.0 |

*Glass will reduce monitor brightness.
** depending on the customer's installation

## Glass*



Safety glass is an accessory for the open frame chassis. It covers and protects the TFT-panel. TrueFlat glass is a safety glass with round corners and passepartout for the open frame chassis.

DISPLAYS | MONITORS | EMBEDDED | POWER SUPPLIES

# Accessories

| Product | Order no. | Product description |
|---|---|---|
| Additional RS 232 port | DS-91-823 | 2nd RS 232 port for IQ Celeron® |

**Electronic**

| Product | Order no. | Product description |
|---|---|---|
| VESA adapter plate | DS-91-797 | Adaption from VESA 200 x 100 to VESA 100 x 100 for all versions |
| Mounting brackets | DS-91-356 | Set of two additional mounting brackets (one set is included in standard version), not available for option Front bezel |

**Mount**



Mounting brackets

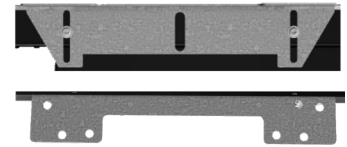| Product | Order no. | Product description |
|---|---|---|
| Power supply 60 W | NT-01-062 | 12V/ 5A power supply, max. op. temperature 45°C |
| Power cord EU | DB-07-225 | Power cord EU 1,8 m |
| Power cord UK | DB-07-226 | Power cord UK 1,8 m |
| Power cord USA | DB-07-238 | Power cord USA 1,8 m |
| Cable VGA | KA-40-053 | VGA cable HDDS 15pin. male/ male 1.8 m |
| Cable DisplayPort | DS-50-571 | Cable Display Port male/ male 2 m |

**Power Supply | Cable**

| Product | Order no. | Product description |
|---|---|---|
| WIN 10 IOT Celeron® | DS-60-899 | Embedded operation system 2019 LTSC |
| OS IoT Raspberry® PI | DS-60-859 | for POS-Line IoT |

**Software**

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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