

DATASHEET



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A FORTEC GROUP MEMBER

POS-LINE 31.5

**SIMPLY INTEGRATE
VISUALISE YOUR CONTENT**

Panel and housing

POS-Line Monitor 31.5"

Panel Diagonal	[mm] / [Inch]	800.1/ 31.5"
Type		Open -frame monitor (various bezels, true-flat glass and touch solutions are available under options)
Resolution	[Pixel]	1920 x 1080 FHD
Luminance (center)	[cd/m ²]	500
Viewing angle	[°]	178 h / 178 v
Backlight		LED
Active area (H/V)	[mm]	698.4 x 392.85
Number of colors	[M]	1073.7 (PME, PIII, VP) 16.7 (IQ Atom, IQ Core-i)
Contrast ratio		3000:1
Response time (on/off)	[ms]	8
Pixel class		ISO 9241-307 (pixel error class II)
Life time back light	[h]	50.000
Continuous operating time	[h] / [d]	24/ 7
Mounting	[mm]	VESA MIS-F 400 x 400 (M6)
Storage temperature	[°C] / [°F]	-20 ~ 60 / -4 ~ 140
Operating temperature	[°C] / [°F]	0 ~ 40/ 32 ~ 104
Storage humidity	[%]	10 ~ 90 (non condensing)
Operating humidity	[%]	10 ~ 90 (non condensing)
Panel orientation		Landscape and Portrait
Location of connectors		Landscape: bottom Portrait: left (front view)
Location of OSD buttons		Landscape: bottom Portrait: left (front view)
Housing		Powdered steel sheet DC01, black RAL 9005
Power supply	[V]	AC 110 - 240
Conformity		CE, FCC Class A, EU-RoHS
Packaging		Single packaging for Euro pallet (max. 3 packages p.p.)
Package Contents		Safety instructions, driver DVD, power cable



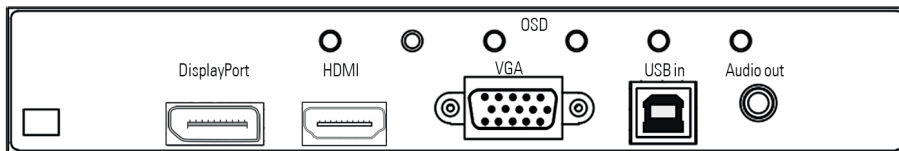
Open frame monitor



VGA, HDMI, DisplayPort

POS-Line 31.5" Video PME

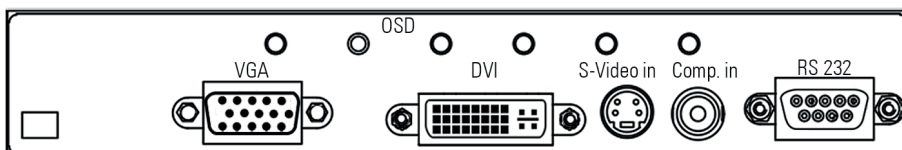
Order number		DS-91-411
Interfaces		1 x VGA, 1 x HDMI, 1 x DisplayPort, 1 x Audio Line-Out, 1 x USB-Remote, 1 x OSD 4 button
Power consumption (typ.)	[Watt]	44
Weight	[kg/ lb]	12.5/ 27.56
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29
Package contents		SVGA cable



VGA, DVI, S-Video, CVBS

POS-Line 31.5" Video PIII

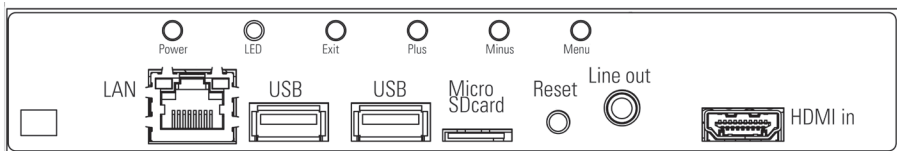
Order number		DS-91-412
Interfaces		1 x VGA, 1 x DVI (HDMI via DVI), 1 x S-Video; 1 x Composite Video; 1 x RS232; 1 x OSD 4 button
Power consumption (typ.)	[Watt]	45
Weight	[kg/ lb]	12.5/ 27.56
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29
Package contents		SVGA cable



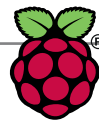
Network Mediaplayer

POS-Line 31.5" VideoPoster

Order number		DS-91-414
Interfaces		1 x LAN, 2 x USB, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot
Power consumption (typ.)	[Watt]	43
Weight	[kg/ lb]	12.6/ 27.78
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29
Package contents		USB Stick 8 GB

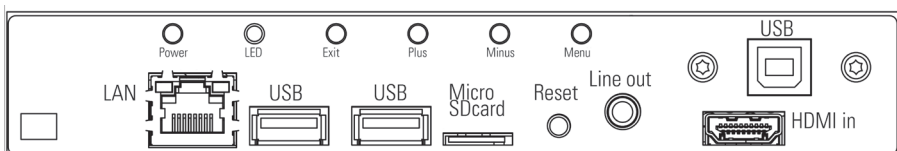


Raspberry® IoT controller



POS-Line 31.5" IoT

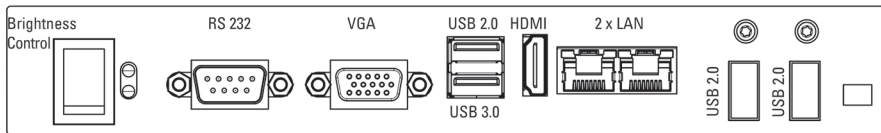
Order number		DS-91-981
Order number OS		DS-60-859
Interfaces		1 x LAN, 2 x USB 2.0, 1 x HDMI, 1 x Line out, 1 x MicroSD card slot, 1 x USB-B (only for content updates)
Power consumption (typ.)	[Watt]	43
Weight	[kg/ lb]	12.6/ 27.78
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29



PC Intel® Atom

POS-Line 31.5" IQ Atom

Order number		DS-91-931
Interfaces		2 x LAN, 1 x USB 3.0, 3 x USB 2.0, 1 x HDMI, 1 x VGA, 1 x RS232
PC		CPU: Intel® Atom E3845 (1.9 GHz), Graphic: Intel® Valleyview SoC integrated Graphics RAM: 4 GB DDR3L, Storage: min. 120 GB mSATA
Fan		No
Power consumption	[Watt]	55
Weight	[kg/ lb]	14.5/ 31.97
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29

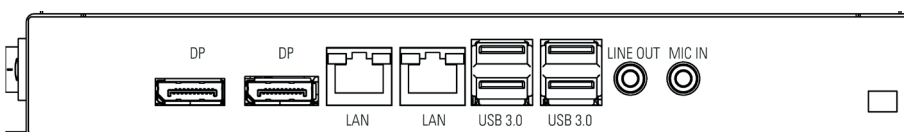


PC Intel® Core™-i5



POS-Line 31.5" IQ Core-i5

Order number		DS-92-022
Features		Resolution 4K external via DisplayPort supported
Interfaces		2 x DP, 2x Ethernet RJ45, 4x USB 3.0, 1 x Audio, 1 x MIC in
PC		CPU: Intel® Core™-i5-7300 U (2.6 GHz), Intel® HD Graphics GT series, RAM: 8GB DDR 4 Storage: 120 GB M.2Sata
Fan		No
Power consumption	[Watt]	90
Weight	[kg/ lb]	16.5/ 36.38
Dimensions (W x H x D)	[mm/ inch]	759 x 454 x 109 29.88 x 17.87 x 4.29



Bezels

Order number		DS-91-470	DS-91-612
Name		Front bezel	Aluminium bezel
Finish		Steel, powdered, black RAL 9005	Aluminum, brushed, silver RAL 9006
Can be combined with		Safety glass	
Weight	[kg/ lb]	1.50/ 3.31	3.50/ 7.72
Dimensions of monitor with option (W x H x D)	[mm/ inch]	762 x 456 x 110 30.0 x 17.95 x 4.33	785 x 480 x 120 30.90 x 18.90 x 4.72

Order number		DS-91-421	DS-91-424
Name		TrueFlat bezel with glass	TrueFlat bezel with touch
Finish		Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout (RAL 9005)	Sheet steel, RAL 9006 glare (aluminium white), safety glass TSG 4 mm, anti-glare, printed black passepartout (RAL 9005) with PCAP touch, 10 touch points (next page)
Can be combined with		—	
Weight	[kg/ lb]	9.5/ 20.94	
Dimensions of monitor with option (W x H x D)	[mm/ inch]	789 x 484 x 115.5 31.06 x 19.05 x 4.55	

Glass*

Order number		DS-91-420	DS-91-476
Name		Safety glass	TrueFlat glass
Glass		Safety glass TSG, 4 mm anti glare	Safety glass TSG, 4 mm anti glare, printed black passepartout (RAL 9005)
Can be combined with		Front bezel, Aluminium bezel	—
Weight	[kg/ lb]	3.5/ 7.72	4.0/ 8.82
Dimensions of monitor with option (W x H x D)	[mm/ inch]	759 x 454 x 114.5 29.88 x 17.87 x 4.51	781 x 476 x 114.5 30.75 x 18.74 x 4.51

*Cover glass and touches will reduce monitor brightness.

Options



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



Aluminum bezel is a special design bezel for the open frame chassis.



TrueFlat bezel is a metal bezel with round corners, safety glass and passepartout for the open frame chassis.

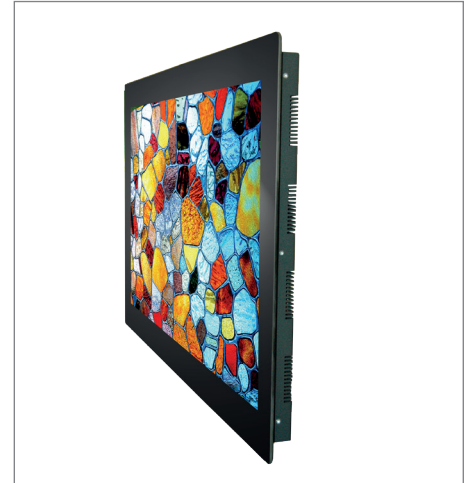
Safety glass is an accessory for the open frame chassis. It covers and protects the TFT-panel.



TrueFlat glass is a safety glass with round corners and passepartout for the open frame chassis.

Touches*

Order number		DS-91-424	DS-91-916
Name		TrueFlat bezel PCAP touch	TrueFlat glass PCAP touch
Bezel/ Glass		Sheet steel RAL 9006, safety glass TSG, 4 mm anti-glare, printed black passepourtout RAL 9005	Safety glass TSG, 4 mm anti glare, printed black passepourtout (RAL 9005)
Touch points		10	
Touch technology		Projected capacitive	
Can be combined with		—	
Available for controller		Video PME, Video PIII, IoT, IQ Atom, IQ Core-i	
Weight	[kg/ lb]	9.5/ 20.94	4.5/ 9.92
Dimensions of monitor with option (W x H x D)	[mm/ inch]	789 x 484 x 115.5 31.06 x 19.05 x 4.55	781 x 476 x 114.5 30.75 x 18.74 x 4.51



TrueFlat PCAP touch is a TrueFlat glass with a laminated PCAP touch at the backside.

TrueFlat bezel monitor with PCAP touch sensor

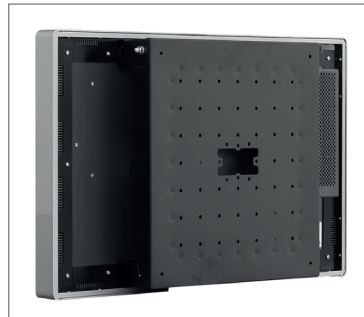
*Cover glass and touches will reduce monitor brightness.



POS-Line TrueFlat design with glass or touch



with wall mount



with wall mount



Electronic

Product	Order no.	Product description
Remote control	DS-91-621	OSD remote controll for all displays of the Video PME and Video PIII Series
Ambient Light Sensor	DS-91-963	ALS for all displays of the Video PME, Video PIII and Video-Poster, can be combined with front bezel and safety glass
SSD Extension Atom	DS-91-997	Extension for SSD MSATA uo to 240 GB for IQ Atom
RAM Extension Atom	DS-91-975	Extension for RMA up to 8 GB for IQ Atom
SSD Extension Core-i	DS-92-027	Extension for SSD M.2 uo to 240 GB for IQ Core-i5
RAM Extension Core-i	DS-92-028	Extension for RMA up to 16 GB for IQ Core-i5

Accessories

External PC

Order number	DS-92-033
Name	PC Box extern IQ Core-i5 DFI KU173
Description	PC Module for external mounting
Interfaces	2 x DP, 2x Ethernet RJ45, 4x USB 3.0, 1 x Audio, 1 x MIC in
PC	CPU: Intel® Core™-i5- 7300 U(2.6 GHz), Intel® HD Graphics GT series, RAM: 8GB DDR 4 Storage: 120 GB M.2Sata
Available for controller	Video PME, PIIIA
Fan	No
Weight [kg/ lb]	2.6/ 5.73
Dimensions [mm/ inch]	240 x 257 x 48.5/ 9.45 x 10.24 x 1.97
Power supply	DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W

Order number	DS-91-930
Name	PC-Box IQ Atom
Description	PC Module for external mounting
Interfaces	2 x LAN, 1 x USB 3.0, 3 x USB 2.0, 1 x HDMI, 1 x VGA, 1 x RS232
PC	CPU: Intel® Atom E3845 (1.9 GHz), Graphic: Intel® Valleyview SoC integrated Graphics RAM: 8 GB DDR3L, Storage: min. 120 GB mSATA
Available for controller	Video PME, PIIIA
Fan	No
Weight [kg/ lb]	1.7/ 3.75
Dimensions [mm/ inch]	240 x 260 x 50/ 9.45 x 10.24 x 1.97
Power supply	DS-91-945 for operate the PC box as stand alone device without display for maintenance, 12V/ 60 W

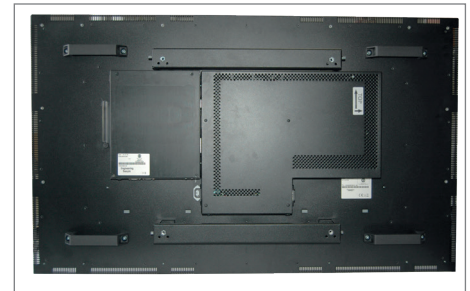
Accessories



Optional removable PC box with Core-i5 CPU. The PC box can be removed without taking the display down from the wall.



Optional removable PC box with Intel Atom CPU. The PC box can be removed without taking the display down from the wall.



Mounts, covers and cable

Accessories

Product	Order no.	Product description
Wall mount	DS-91-540	Inclinable wall mount for all displays from 31.5" up to 54.6"
Cable cover for connctetors	DS-91-723	Cover for the cable connectors to prevent unauthorized persons from removing or plugging cables. For all POS-Line displays of the PME and PIII Series from 31.5" up to 54.6"
Cable cover for connectors	DS-91-578	Cover for the cable connectors to prevent unauthorized persons from removing or plugging cables. For all POS-Line displays of the IQ Series from 31.5" up to 54.6". Also suited for optional PC boxes DS-91-426, DS-91-427 and DS-91-930.
Cable cover for connectors	DS-91-922	Cable cover. Only available in combination with covers DS-91-723 and DS-91-578.
Display Port cable	KA-40-105	Cable Display Port 1.2 4k male/male 2m

Operating systems, Software

Product	Order no.	Product description
Windows 7 embedded 32 bit DE	DS-60-645	Operation system only for Atom
Windows 7 embedded 32 bit EN	DS-60-650	Operation system only for Atom
Windows 7 FES 64 bit DE	DS-60-725	Operation system only for Atom
Windows 7 FES 64 bit EN	DS-60-781	Operation system only for Atom
Windows 10 Pro. 64 bit DE	DS-60-811	Operation system
Windows 10 Pro. 64 bit EN	DS-60-810	Operation system
Windows 10 IOT ATOM DE/ EN	DS-60-864	Operation system
Windows 10 IOT CORE-I DE/ EN	DS-60-865	Operation system
WEBPOSter	DS-60-787	WEBPOSter embedded Linux

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.

FORTEC DISTEC

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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).

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NY 11779	
United States of America	

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

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