

FORTEC GROUP

PLUS-Line 54.6

Multifunctional and optimally designed 4K Monitors

One partner, unlimited technology solutions

Product Features

Designed, developed and made in Germany

PLUS-Line 54.6





PLUS-Line combines the entire experience of FORTEC GROUP in monitor construction with the wishes of the company's customers. It offers a large 4K panel a professional framework and with this line brings a slim touchscreen. A dockable PC module complete the PLUS-Line.

Example meeting room

- → The perfect tool for the new way of collaboration
- → Intelligent cooling without fan

- → Attractive, slim design
- → metal housing instead of plastic
- → very good brightness and anti-reflective glass for ideal glare-free view
- → super thin touch sensor
- → IP65 front with the option TrueFlat glass or touch and corresponding installation by the customer
- → Maintenance friendly - the relevant components can be replaced quickly
- → version with Box PC

Options:

- → Front Bezel
- → TrueFlat glass | extremely narrow passepartout
- → TrueFlat glass touch | extremely narrow passepartout
- → 55" all around 25.5 mm passepartout

Perfect multimedia conference tool

WLAN remote integrated

Thin touch screen

Small sustainable design

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Panel, Housing and Electric

PLUS-Line 54.6

		54.6 inch
Panel Diagonal	[mm] / [Inch]	1387/ 54.6
Type		Monitor open frame
Resolution	[Pixel)	3.840 x 2.160 (4K)
Luminance (cent./typ)	[cd/m²]	700
Viewing angle (U/ D/ L/ R)	[°]	89/ 89/ 89/ 89
Backlight | Number of colors	— | [M]	LED | 16.7
Active area (H/V)	[mm]	1209.6 x 680.4
Contrast ratio | Resp. time (on/off)	— | [ms]	4000 : 1 | 6.5
Life time back light until reaching half brightness	[h]	50.000
Contin. operating time	[h] / [d]	24/ 7
Monitor control		via OSD menu
Power supply	[VAC]	100-240~; 50/60 Hz
Storage temperature	[°C] / [°F]	-20 ~ 60/ -4 ~ 140
Operation temperature	[°C] / [°F]	0 ~ 40/ 32 ~ 104
Storage | Operation humidity	[%]	10 ~ 90 (non condensing)
Housing		Powdered steel, color DB-703 smooth matte
IP65		Front IP 65 with option TrueFlat glass or TrueFlat touch
Mounting	[mm]	VESA MIS-F 400 x 400 (4 x M6)
Panel Orientation		Landscape and Portrait
Location of connectors		Landscape: middle backside | Portrait: left backside (front view)
Location of OSD buttons		Landscape: bottom right | Portrait: bottom left (front view)
Confirmity		CE, FCC Class A, EU-RoHS
Packaging		Single packaging for transport per pallet, max. 3 pcs. per pallet
Package Contents		Safety instructions, power cable



PLUS-Line 54.6 front view

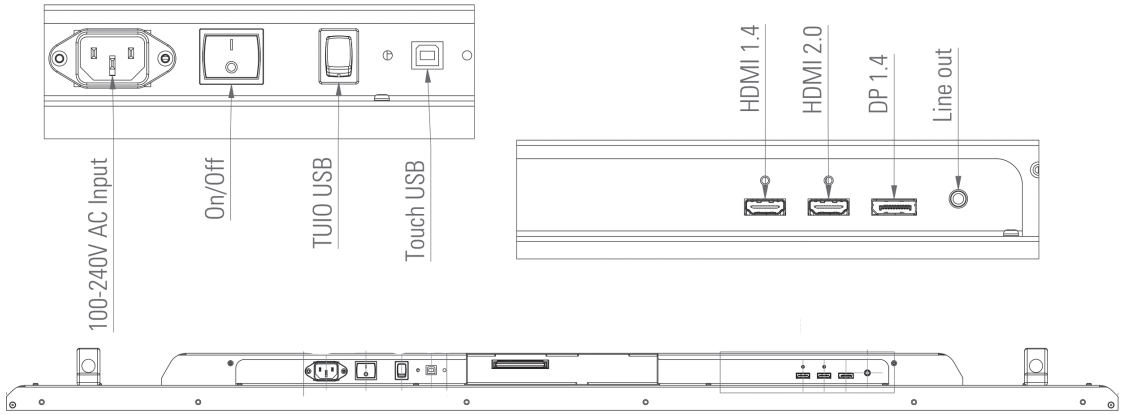


PLUS-Line 54.6 backside with PC

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 P4K - HDMI, Display Port

PLUS-Line 54.6



Interfaces		2x HDMI in, 1x DP in, 1 x USB-B (Remote), 1 x Line out, 1 x Infrared Sensor
Power consumption (typ.)	[Watt]	140
Dimensions basic device (W x H x D)	[mm]	1260 x 731 x 64.5
Package Contents		Remote Control



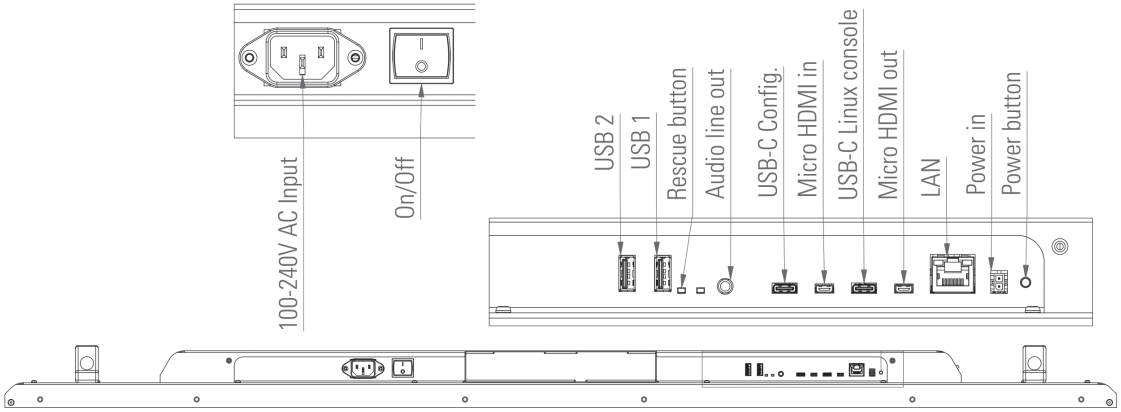
PLUS-Line 54.6 front view

Order Number	Description	Weight
MO-41-072	PLUS-Line 54.6 Monitor P4K basic device open frame	30 kg
MO-41-232	PLUS-Line 54.6 Monitor P4K with front bezel	32 kg
MO-41-073	PLUS-Line 54.6 Monitor P4K with TrueFlat glass	40 kg
MO-41-074	PLUS-Line 54.6 Monitor P4K with TrueFlat glass with PCAP TS	40 kg

Further information on the individual options can be found in this document under - OPTIONS.

IOT - Raspberry® IoT Controller

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Interfaces		1 x LAN, 2 x USB, 1 x Micro HDMI in, 1 x Micro HDMI out, 1 x Line out, 1 xUSB-C Config, 1 x USB-C Linux console, 1 x Infrared Sensor
Raspberry® PI		CM4, 32 GB
Power consumption (typ.)	[Watt]	130
Dimensions basic device (W x H x D)	[mm]	1260 x 731 x 64.5
Package Contents		Remote Control



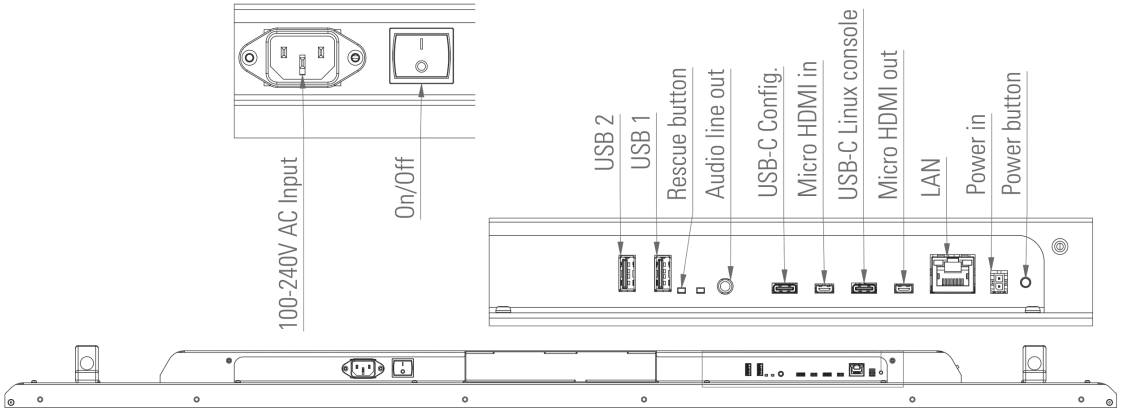
PLUS-Line 54.6 backside without PC

Order Number	Description	Weight
MO-41-081	PLUS-Line 54.6 IoT basic device open frame	30 kg
MO-41-235	PLUS-Line 54.6 IoT with front bezel	32 kg
MO-41-082	PLUS-Line 54.6 IoT with TrueFlat glass	40 kg
MO-41-083	PLUS-Line 54.6 IoT with TrueFlat glass with PCAP TS	40 kg

Further information on the individual options can be found in this document under - OPTIONS.

WebPoster M3 - Website Player

PLUS-Line 54.6



WebPoster M4 is an industrial 4K | UHD network player to show websites. It is a special designed FORTEC Integrated OS for Artista IOT monitors.

Firmware is compatible with touchscreen applications.

Interfaces		1 x LAN, 2 x USB, 1 x Micro HDMI in, 1 x Micro HDMI out, 1 x Line out, 1 xUSB-C Config, 1 x USB-C Linux console, 1 x Infrared Sensor
Power consumption (typ.)	[Watt]	130
Dimensions basic device (W x H x D)	[mm]	1260 x 731 x 64.5
Package Contents		Remote Control

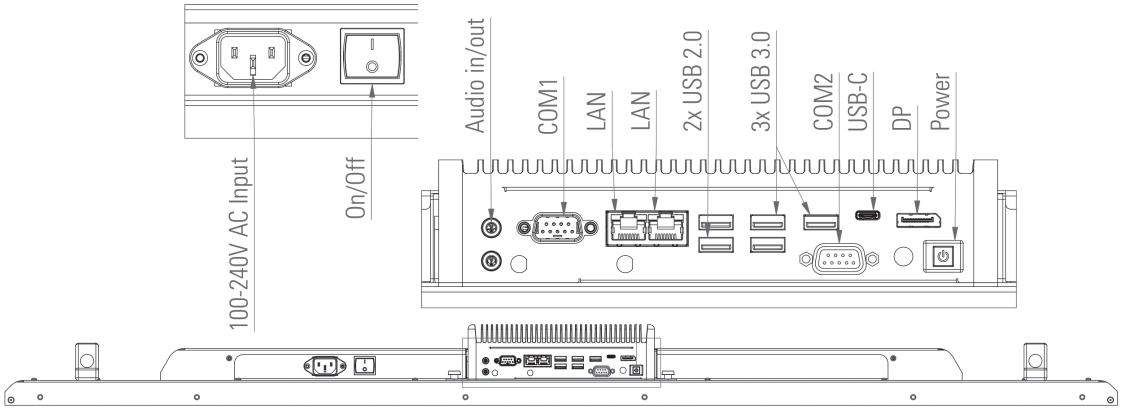
Order Number	Description	Weight
MO-41-078	PLUS-Line 54.6 WebPoster basic device open frame	30 kg
MO-41-234	PLUS-Line 54.6 WebPoster with front bezel	32 kg
MO-41-079	PLUS-Line 54.6 WebPoster with TrueFlat glass	40 kg
MO-41-080	PLUS-Line 54.6 WebPoster with TrueFlat glass with PCAP TS	40 kg

Further information on the individual options can be found in this document under - OPTIONS.

IQ i5 - PC Intel®

PRELIMINARY

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PLUS-Line 54.6 IQ, front



PLUS-Line 54.6 IQ, backside with PC

Interfaces		1x DP, 2x LAN, 3x USB 3.2, 2x USB 2.0 1x USB C, 1x RS232, 1x RS232/422/485, 1x Audio in/ out, 1x MIC in
PC		CPU: Intel® Core™-i5- 1145G7E (4 x 1.5 - 4.1 GHz), Intel® Iris® X^{E}, 2 x 4 GB DDR 4 RAM, 128 GB M.2Sata
Fan		passive
Power consumption (typ.)	[Watt]	tdb
Dimensions basic device (W x H x D)	[mm]	1260 x 731 x 91.3

Order Number	Description	Weight
MO-41-226	PLUS-Line 54.6 IQ basic device open frame	32 kg
MO-41-236	PLUS-Line 54.6 IQ with front bezel	34 kg
MO-41-227	PLUS-Line 54.6 IQ with TrueFlat glass	42 kg
MO-41-228	PLUS-Line 54.6 IQ with TrueFlat glass with PCAP TS	42 kg

Further information on the individual options can be found in this document under - OPTIONS.

Options

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Electronic

Order number	PC-61-204
Name	PC Box extern Plus-Line IQ-i5
Description	PC Module for external mounting
Interfaces	1x DP, 2x LAN, 3x USB 3.2, 2x USB 2.0 1x USB C, 1x RS232, 1x RS232/422/485, 1x Audio, 1x MIC in
PC	CPU: Intel® Core™-i5- 1145G7E (4 x 1.5 - 4.1 GHz), Intel® Iris® X^{E}, 2 x 4 GB DDR 4 RAM, 128 GB M.2 Sata
Fan	passive
Weight [kg]	2.2
Dimensions [mm]	211 x 150.50 x 63.10

Glass | Touch*

*Glass and touch screens will reduce monitor brightness.

Name		TrueFlat glass
Finish		Glass TSG 4.0 mm, small passepartout RAL 9005
Weight	[kg]	9.5
Dimensions of monitor with option (W x H x D)	[mm]	1262 x 733 x 70.1 (IQ 91.3)

Name		TrueFlat Touch
Touch		Capacitive touch, 20 points, up to 4 active touch pens poss. , 120 Hz sampling rate
Finish		Glass TSG 4.0 mm, small passepartout RAL 9005
Weight	[kg]	10.0
Dimensions of monitor with option (W x H x D)	[mm]	1262 x 733 x 70.1 (IQ 91.3)

Bezel

Name		Front bezel
Finish		Powdered steel, Sparkling iron effect dark, metallic fine structure matt, near RAL 7024
Weight	[kg]	1.5
Dimensions of monitor with option (W x H x D)	[mm]	1262.5 x 733.5 x 65.4 (IQ 91.3)

Accessories

PLUS-Line 54.6

Mount

Product	Order no.	Product description
Wall mount	MO-41-XXX	fixed wall mount for PLUS-Line 54.6

Electronic

Product	Order no.	Product description
IR Remote Control	DS-92-258	IR sensor with remote control for PLUS-Line 54.6 and 64.5
Cable DP for PC box	KA-40-115	DP cable for connection PC, 0,5m

Software

Product	Order no.	Product description
Windows 11 IOT 2024 LTSC (ePKEA) Value+zDM	SW-60-048	Embedded operation system DE/ EN for Core-i

Windows 11 IoT Enterprise is a full version of Windows 11 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 11 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 11 IoT Enterprise is supported by Microsoft for at least 10 years.

Our corporate network supports you worldwide with branches in Germany, Austria, Switzerland, the United Kingdom, the Netherlands, the Czech Republic, Egypt, and the United States. For further information, please contact:

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