

Pictures show sample configurations, real product may vary.

DISPLAY

Display Size [inch]	21.5
Aspect Ratio	16 : 9
Resolution	1920 × 1080
Active Area [mm]	476.06 × 267.79
Brightness [cd/m²]	250
Contrast Ratio	1000 : 1
LED life time [h]	30000
Viewing Angle [°]	178 / 178
Display Interface	LVDS

PC/MONITOR SYSTEM

Processor	Any 12 th /13 th /14 th Gen. Intel® LGA1700 Socket Processor, with max. 65W (see page 4)
Standard Operating System	Debian 12 ¹
OS Available on Request (additional fee)	Linux Ubuntu 22.4, Windows 10 & 11
Memory	2× SO-DIMM , max. 32GB, Dual Channel DDR4 3200 MHz
Storage	128GB - 2 TB SSD
Loudspeaker	2× 2W
Wifi	Intel® AC 3168
HDMI	1
DP	1
Mic In / Audio Out	1 (Realtek® ALC897 Audio CODEC)
USB 2.0	2
USB 3.2	2
Ethernet Network (10/100/1000 Mbit/s)	1 Realtek® 8111H (LAN 1)
24V DC-In (4-pin)	1

TOUCH PANEL

Touch Type	Projected Capacitive 10-point Multi-touch
Printing Type	Organic
Glass Thickness [mm]	2.0
Cover Glass Surface Treatment	None
IK Protection	IK08
Printing Color	RAL9004 (Black)
Strengthening	Thermally Strengthened
Touch Controller	EXC81W84
Touch Interface	USB
Touch Resolution RX	74
Touch Resolution TX	42
Optical Bonding	Clear Bond®

ENVIRONMENTAL CONDITIONS

Operation Temperature	-10°C to 60°C
Storage Temperature	-20°C to 60°C
Humidity Range	10% to 90%

CERTIFICATIONS

CE Certificate	Yes
FCC Certificate	Yes

CHASSIS

Case Design	Aluminum Frame
Case Size	Standard
IP Protection	IP65 Front / IP40 Back
Case Color	RAL9004 (Black)
Case Coating	Powder Coating
Case Material	Aluminum
Case size L × W × H [mm]	523.0 × 322.0 × 76.9
Cut-out for clamp supports L × H [mm]	499.0 × 298.0
Max. wall thickness for clamp supports [mm]	5.0
Amount of clamps required	6
Mounting	VESA 100 × 100

¹⁾ Pyramid Computer GmbH is not affiliated with Debian. Debian is a registered trademark owned by Software in the Public Interest, Inc.

³⁾ Requires additional LTE module and antenna before being able to use this slot

ACCESSORIES

Power Adapter	100-240V ACDC active switching; 24V DC-Out
USB-Touch Cable	Yes
Short Instruction manual	Yes

INTENDED USE/APPLICATION

The device is to be used as (touchscreen) display for indoor use as control panel, digital signage, way-finding, POS and similar applications.

Direct sunlight might increase the device temperature beyond the allowed storage and operation conditions. Therefore the devices must be protected against direct sunlight. Devices operated or stored outside the specified temperature ranges are not covered by warranty.

POWER

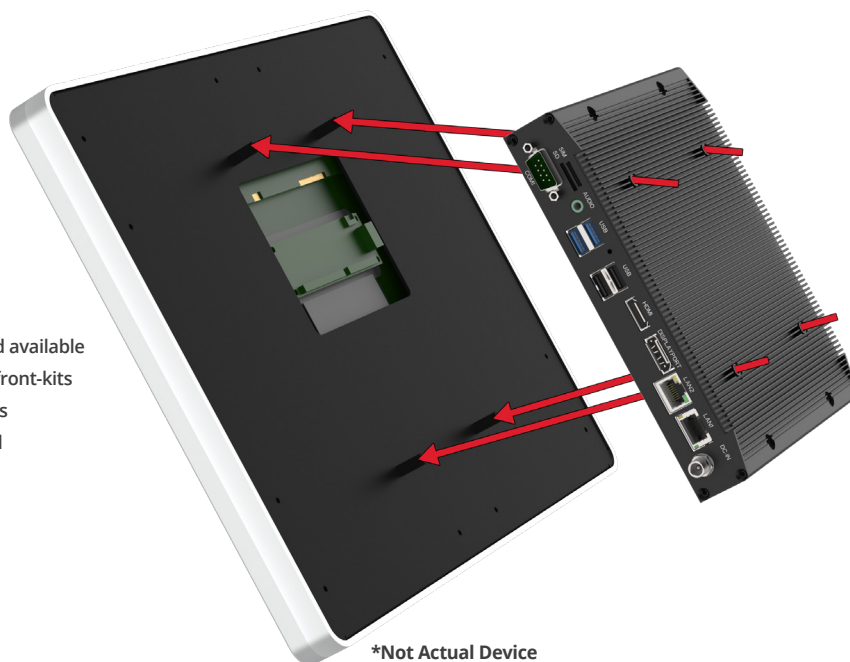
Power Indicator	Green LED
Working Power	24V
Power Consumption	TBD
Stand-By Consumption	<1W

WEIGHT & PACKAGING

Net Weight	~6.10 kg est.
Gross Weight	~8.80 kg est. (incl. Cartonage)
Packaging Material	100% recyclable cardboard and polyethylene (PE)
Packaging Size L × W × H [mm]	TBD

Front kit & Back kit concept:

Pre-assembled or separately packaged available
Easily replace or switch back kits and front-kits
Connected through various connectors
Assembly to be done by a professional



*Not Actual Device

CPU / PROCESSOR COMPATIBILITY

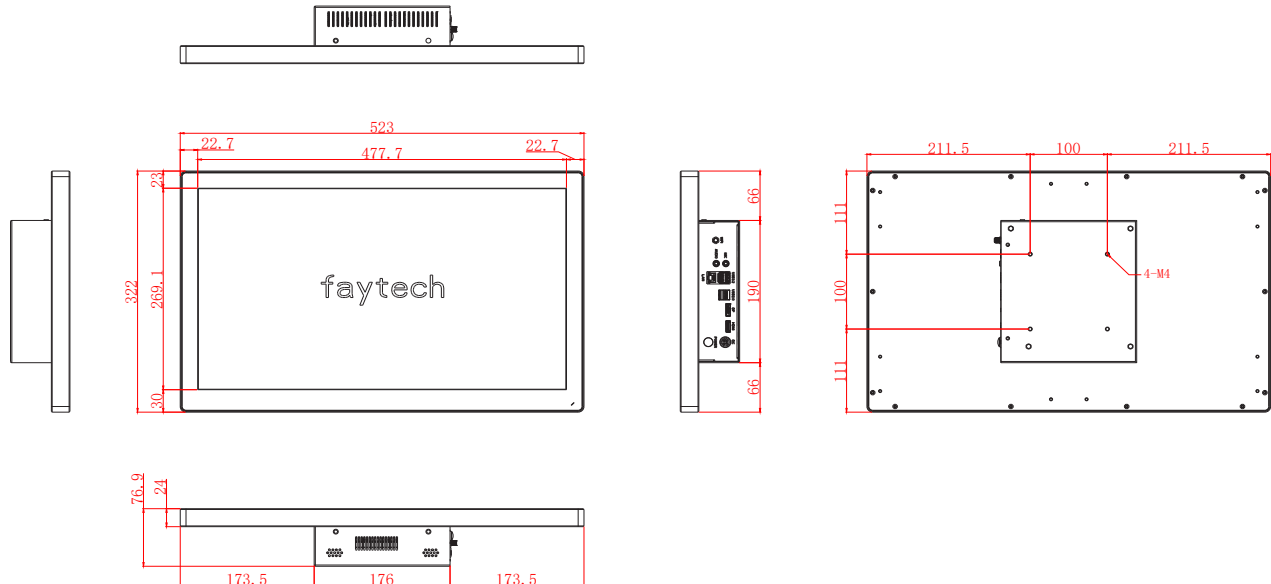
Any 12th/13th/14th Gen. Intel® LGA1700 Socket Processor, with max. 65W with integrated graphics is compatible.
Below is a list of the tested processors.



Name	Core Count	Core Clock	Boost Clock	Microarchitecture	TDP
Intel 300	2	3.9 GHz	N/A	Raptor Lake Refresh	46 W
Intel Celeron G6900	2	3.4 GHz	N/A	Alder Lake	46 W
Intel Pentium G7400	2	3.7 GHz	N/A	Alder Lake	46 W
Intel Core i3-12100	4	3.3 GHz	4.3 GHz	Alder Lake	60 W
Intel Core i3-12100T	4	2.2 GHz	4.1 GHz	Alder Lake	35 W
Intel Core i3-13100	4	3.4 GHz	4.5 GHz	Raptor Lake	60 W
Intel Core i3-13100T	4	2.5 GHz	4.2 GHz	Raptor Lake	35 W
Intel Core i3-14100	4	3.5 GHz	4.7 GHz	Raptor Lake Refresh	60 W
Intel Core i5-12400	6	2.5 GHz	4.4 GHz	Alder Lake	65 W
Intel Core i5-12500	6	3 GHz	4.6 GHz	Alder Lake	65 W
Intel Core i5-12600	6	3.3 GHz	4.8 GHz	Alder Lake	65 W
Intel Core i5-13400	10	2.5 GHz	4.6 GHz	Raptor Lake	65 W
Intel Core i5-13500	14	2.5 GHz	4.8 GHz	Raptor Lake	65 W
Intel Core i5-13500T	14	1.6 GHz	4.6 GHz	Raptor Lake	35 W
Intel Core i5-13600	14	2.7 GHz	5 GHz	Raptor Lake	65 W
Intel Core i5-14400	10	2.5 GHz	4.7 GHz	Raptor Lake Refresh	65 W
Intel Core i5-14500	14	2.6 GHz	5 GHz	Raptor Lake Refresh	65 W
Intel Core i5-14500T	14	1.7 GHz	4.8 GHz	Raptor Lake Refresh	35 W
Intel Core i7-12700	12	2.1 GHz	4.9 GHz	Alder Lake	65 W
Intel Core i7-13700	16	2.1 GHz	5.2 GHz	Raptor Lake	65 W
Intel Core i7-13700T	16	1.4 GHz	4.9 GHz	Raptor Lake	35 W
Intel Core i7-14700	20	2.1 GHz	5.4 GHz	Raptor Lake Refresh	65 W
Intel Core i9-12900	16	2.4 GHz	5.1 GHz	Alder Lake	65 W
Intel Core i9-13900	24	2 GHz	5.6 GHz	Raptor Lake	65 W
Intel Core i9-13900T	24	1.1 GHz	5.3 GHz	Raptor Lake	35 W
Intel Core i9-14900	24	2 GHz	5.8 GHz	Raptor Lake Refresh	65 W

DIMENSIONS

Pictures show sample configurations, real product may vary.



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

UPDATE NOTES:

Version:	Changes:
v1	First version