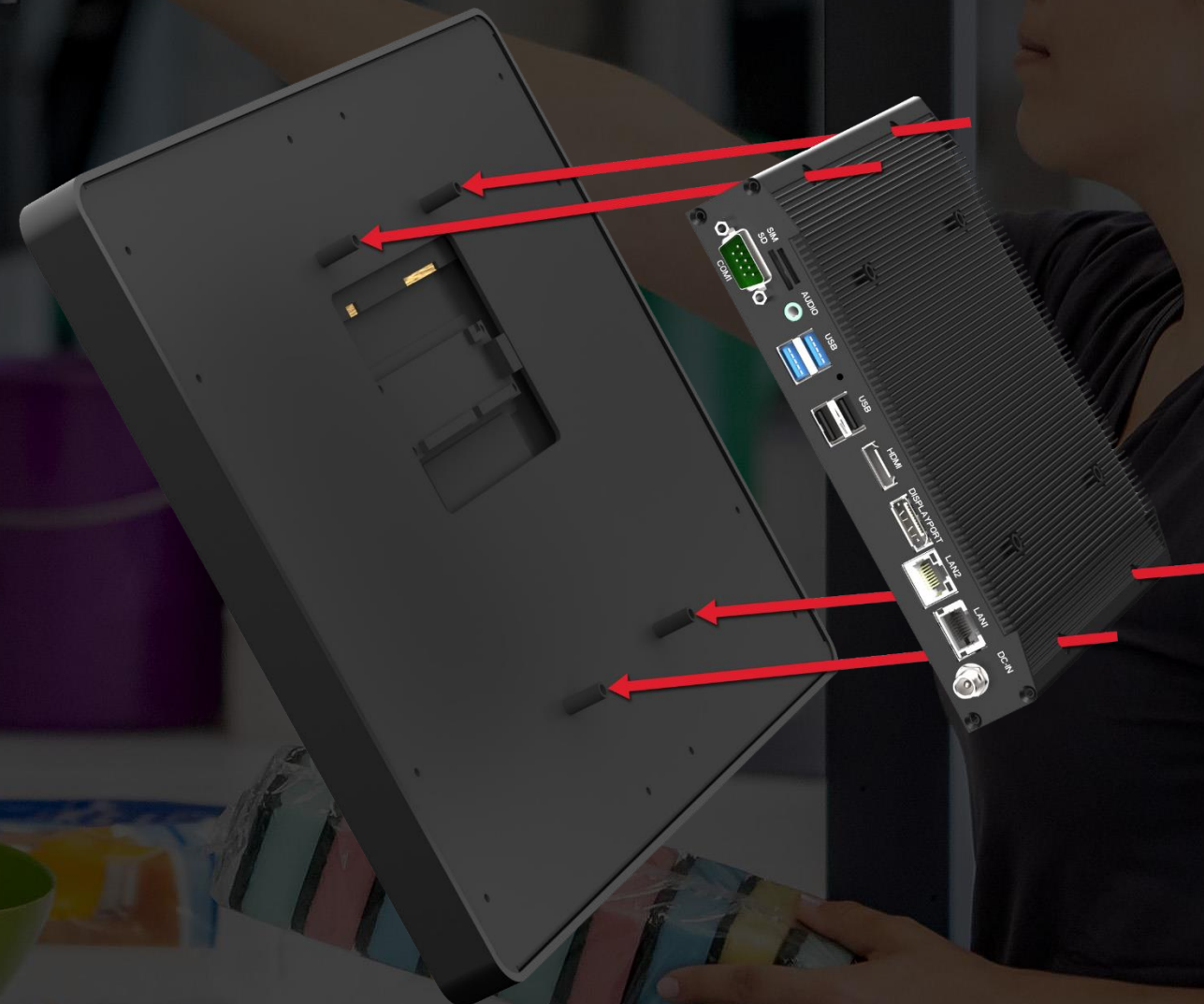
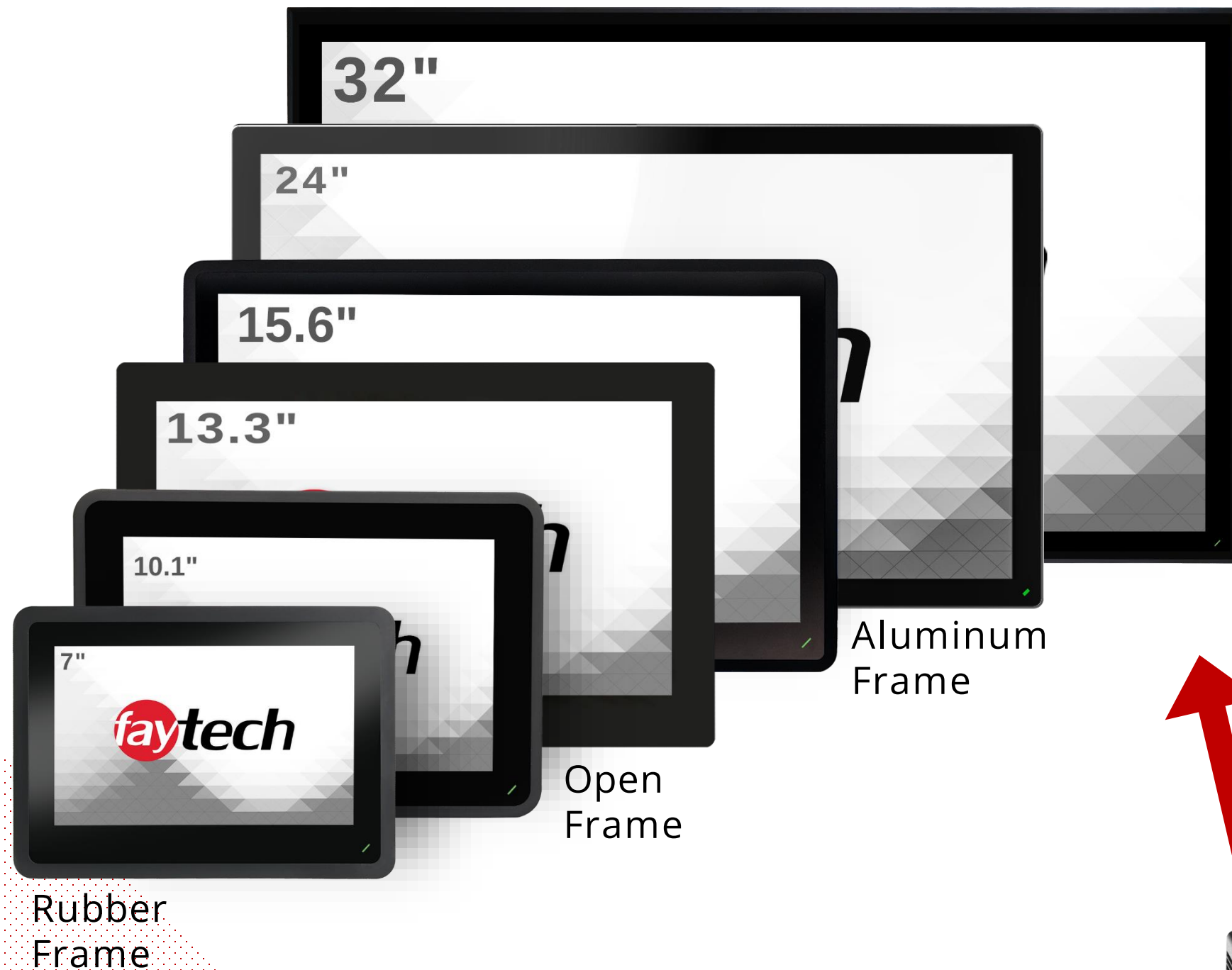


Modular front & back kit Solutions



faytech's Modular Front & Back Kits



Embedded Amlogic IPCs

A311D / S905D3



Intel®-Based IPCs

Elkhart Lake: x6413E, x6211E, J6412

Tiger Lake U: i3-1115G4E, i5-1145G7E, i7-1185G7E

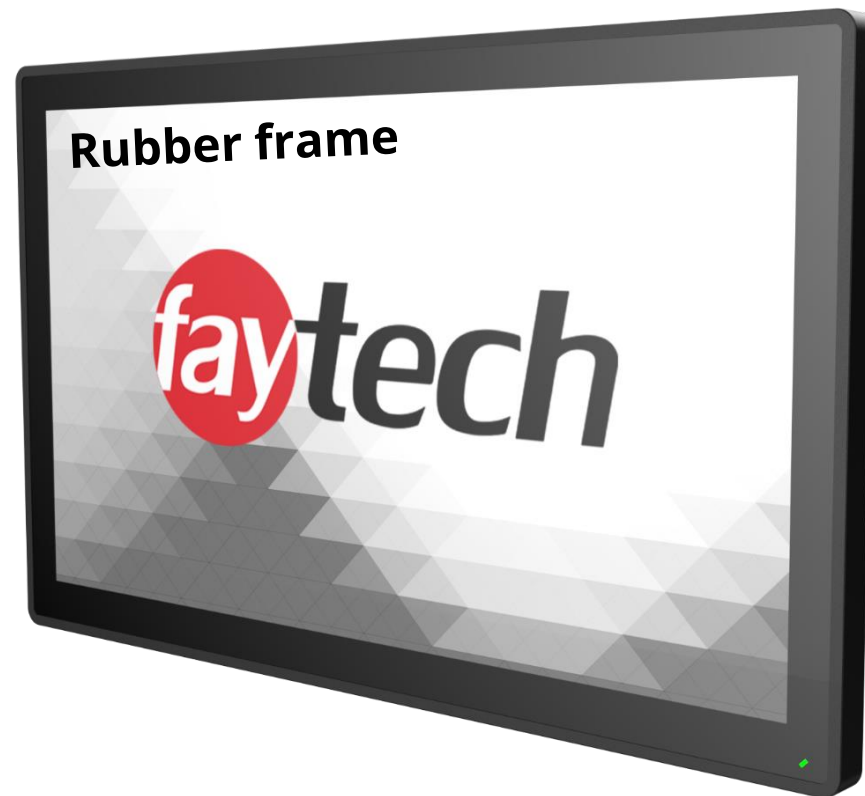


Monitor back-kits

RT2556



faytech's Front Kits

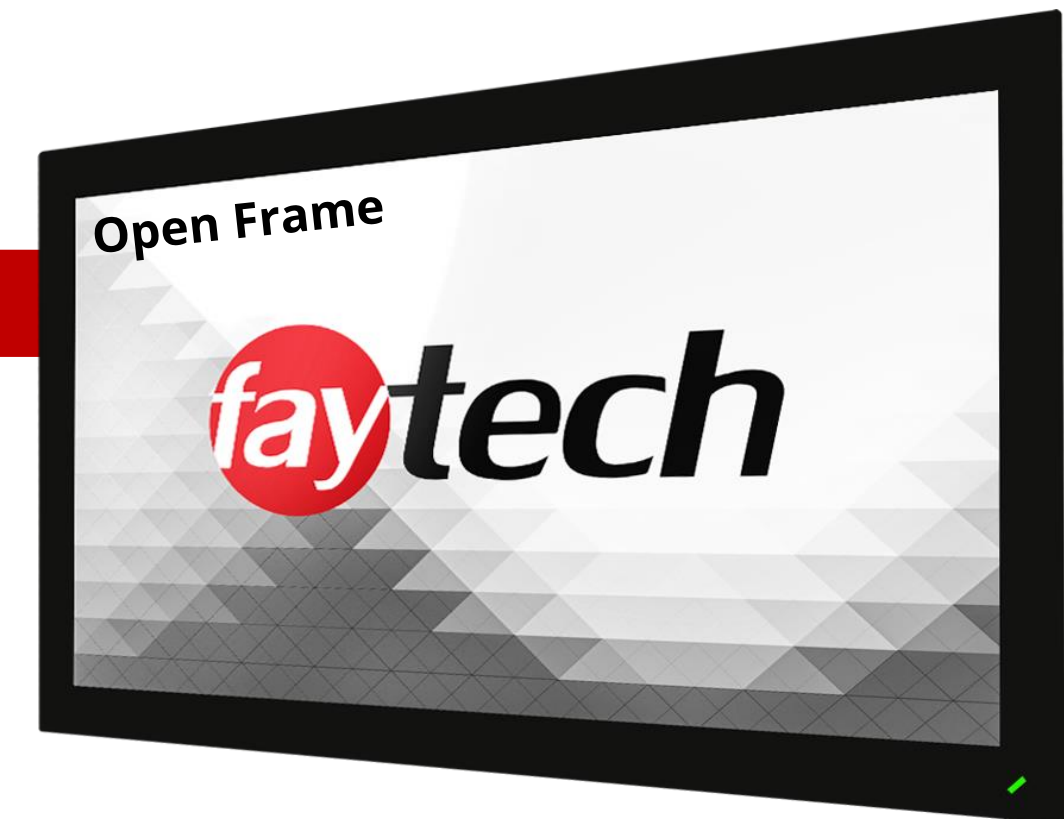


Rubber Frame Front

- IP65 front feature
- For harsh & rugged environments
- Perfect for integration into machines

Open Frame Front

- Easy integration into machinery
- High brightness display
- Lightweight aluminum



Aluminum Front

- Perfect as indoor solution
- Modern high-quality aluminum frame
- Cost-effective front kit

faytech's Front kits (Rubber Frame & Aluminum)

	7"	8"	10"	10.1"	12.1"	13.3"	15"	15.6"	17"	19"	21.5"	24"	27"	32"
Display Size	7.0	8.0	9.7	10.1	12.1	13.3	15	15.6	17.0	19.0	21.5	24.0	27.0	32.0
Aspect Ratio	16 : 9	4 : 3	4 : 3	16:10	4 : 3	16 : 9	4 : 3	16 : 9	5 : 4	4:3	16 : 9	16 : 9	16 : 9	16 : 9
Resolution	1024 × 600	1024 × 768	1024 × 768	1280 × 800	1024 × 768	1920 × 1080	1024 × 768	1920 × 1080	1280 × 1024	1280 × 1024	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Active Area [mm]	154.21 × 85.92	162.05 × 121.54	196.61 × 147.46	216.96 × 135.60	245.76 × 184.32	293.76 × 165.24	304.1 × 228.1	344.16 × 193.59	337.92 × 270.34	374.784 × 299.8272	476.064 × 267.786	597.6 × 336.15	597.6 × 336.15	698.4 × 392.85
Brightness [cd/m ²]	500	350	300	350	500	300	420	220	250	250	250	300	300	500
Contrast Ratio	800 : 1	800 : 1	800:1	800 : 1	700 : 1	800 : 1	800 : 1	800 : 1	1000 : 1	1000 : 1	1000 : 1	3000 : 1	3000 : 1	4000 : 1
LED Life-time [h]	20000	20000	20000	30000	50000	15000	30000	15000	30000	30000	30000	30000	30000	50000
Viewing Angle [°]	150 / 145	170/170	170/170	170 / 170	160 / 160	170 / 170	160 / 160	170 / 170	170 / 160	178/178	178/ 178	178 / 178	178 / 178	178 / 178
Display Interface	LVDS	LVDS	LVDS	LVDS	LVDS	eDP	LVDS	eDP	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS
Dimensions L x W [mm]	195.6 × 137.6	201.0 × 160.5	244.9 × 195.8	278.0 × 203.6	301.0 × 246.0	338.2 × 220.7	359.0 × 291.0	389.3 × 246.8	393.0 × 333.0	431.5 × 364.5	532.0 × 331.0	579.4 × 347.0	663.0 × 405.0	768.0 × 475.0
No. of Clamp supports	N/A	N/A	4	4	6	4	6	4	6	6	6	7	10	N/A
Front Kit Panel Consumption [W]	3.303	TBD	TBD	3.5	8.609	3.8	8.8	4.58	7.5	14.216	18.49	20.98	TBD	TBD

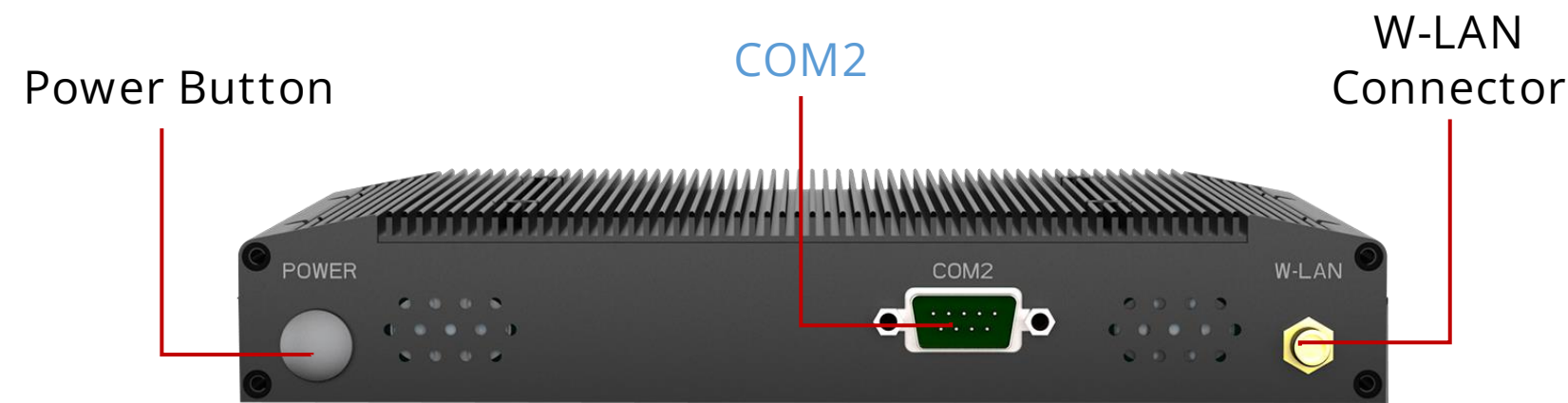
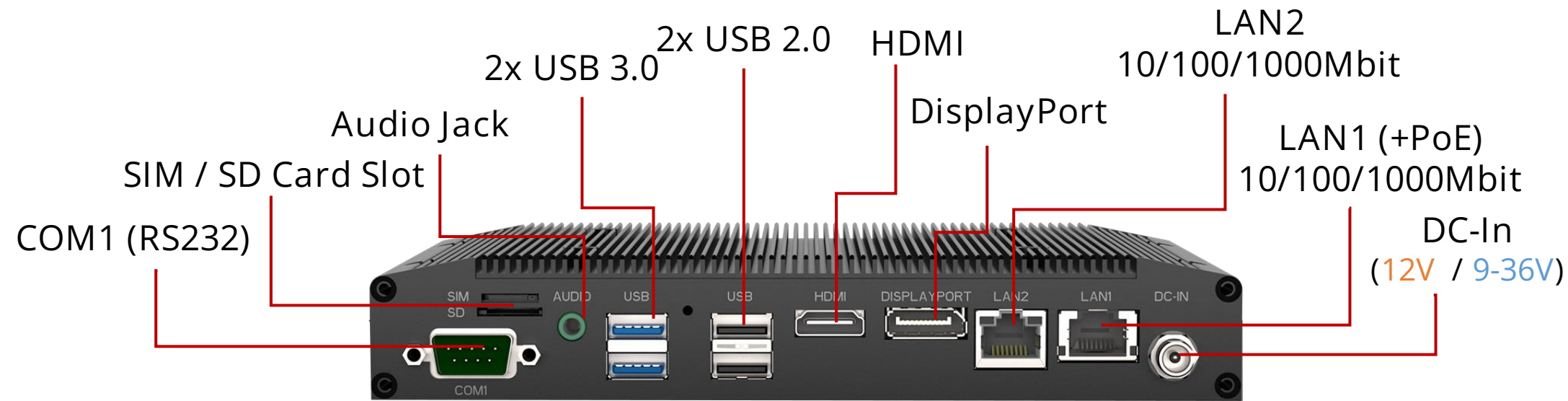
faytech's Front kits (Open Frame)

	7"	8"	10"	10.1"	12.1"	13.3"	15"	15.6"	17"	19"	21.5"	24"	27"	32"
Display Size	7.0	8.0	9.7	10.1	12.1	13.3	15	15.6	17.0	19.0	21.5	24.0	27.0	32.0
Aspect Ratio	16 : 9	4 : 3	4 : 3	16:10	4 : 3	16 : 9	4 : 3	16 : 9	5 : 4	4:3	16 : 9	16 : 9	16 : 9	16 : 9
Resolution	1024 × 600	1024 × 768	1024 × 768	1280 × 800	1024 × 768	1920 × 1080	1024 × 768	1920 × 1080	1280 × 1024	1280 × 1024	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080
Active Area [mm]	154.21 × 85.92	162.05 × 121.54	196.61 × 147.46	216.96 × 135.60	245.76 × 184.32	293.76 × 165.24	304.1 × 228.1	344.16 × 193.59	337.92 × 270.34	374.784 × 299.8272	476.064 × 267.786	597.6 × 336.15	597.6 × 336.15	698.4 × 392.85
Brightness [cd/m ²]	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
Contrast Ratio	800 : 1	800 : 1	800:1	800 : 1	700 : 1	800 : 1	800 : 1	800 : 1	1000 : 1	1000 : 1	1000 : 1	3000 : 1	3000 : 1	4000 : 1
LED Life-time [h]	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Viewing Angle [°]	150 / 145	170/170	170/170	170 / 170	160 / 160	170 / 170	160 / 160	170 / 170	170 / 160	178/178	178/ 178	178 / 178	178 / 178	178 / 178
Display Interface	LVDS	LVDS	LVDS	LVDS	LVDS	eDP	LVDS	eDP	LVDS	LVDS	LVDS	LVDS	LVDS	LVDS
Dimensions L x W [mm]	195.6 × 137.6	201.0 × 160.5	244.9 × 195.8	278.0 × 203.6	301.0 × 246.0	338.2 × 220.7	359.0 × 291.0	389.3 × 246.8	393.0 × 333.0	431.5 × 364.5	532.0 × 331.0	579.4 × 347.0	663.0 × 405.0	768.0 × 475.0
No. of Clamp supports	N/A	N/A	4	4	6	4	6	4	6	6	6	7	10	N/A
Front Kit Panel Consumption [W]	3.303	TBD	TBD	3.5	8.609	3.8	8.8	4.58	7.5	14.216	18.49	20.98	TBD	TBD

faytech's Back kits (IPC & Monitors)

	Elkhart Lake			Tiger Lake U			Embedded Amlogic		Monitor
	x6413E	x6211E	J6412	i3-1115G4E	i5-1145G7E	i7-1185G7E	A311D	S905D3	RT2556
CPU / Chipset / Board	Intel® Atom® x6413E	Intel® Atom® x6211E	Intel® Celeron® J6412	Intel® Core™ i3-1115G4E	Intel® Core™ i5-1145G7E	Intel® Core™ i7-1185G7E	4-Core Cortex-A73 + Dual-core Cortex-A53	Quad-Core Cortex A-53	RTD2556T
Total Cores	4	2	4	2	4	4	6	4	
Memory	8GB	4GB	4GB	8GB	8GB	16GB	4GB - LPDDR4	2GB - LPDDR4	
Storage	120GB SSD	120GB SSD	120GB SSD	120GB SSD	240GB SSD	240GB SSD	64GB - eMMC 5.1	64GB - eMMC 5.1	
Burst Frequency	3.00 GHz	3.00 GHz	2.60 GHz	4.10 GHz (max turbo)	4.10 GHz (max turbo)	4.40 GHz (max turbo)	N/A		N/A
Base Frequency	1.50 GHz	1.30 GHz	2.00 GHz	2.20 GHz	1.50 GHz	1.80 GHz			
Cache	1.5MB L2	1.5MB L2	1.5MB L2	6MB (Smart Cache)	8MB (Smart Cache)	12MB (Smart Cache)			
TPM (Intel) / NPU (Embedded)	INFINEON 9672VU2.0 TPM 2.0			INFINEON 9672VU2.0 TPM 2.0			5.0 TOPS	1.2 TOPS	
GPU	Intel® UHD Graphics			Intel® UHD Graphics	Intel® Iris® Xe Graphics		Mali G52 MP4	Mali G31 MP2	
Supported OS	Debian 12 / Win 10/11, Linux Ubuntu			Debian 12 / Win 10/11, Linux Ubuntu			Android 9 / Linux+QT / Debian 12		
TDP / Consumption	9 W	6 W	10 W	15 W	15 W	15 W	5 W	5 W	1W
Audio	Realtek® ALC897 Audio CODEC			Realtek® ALC897 Audio CODEC			6MAX98090 audio chip		Integrated speakers (2x2w)
Case Sizes	Small & Large			Small & Large			Small & Large		Small

faytech's Back kits: Elkhart Lake



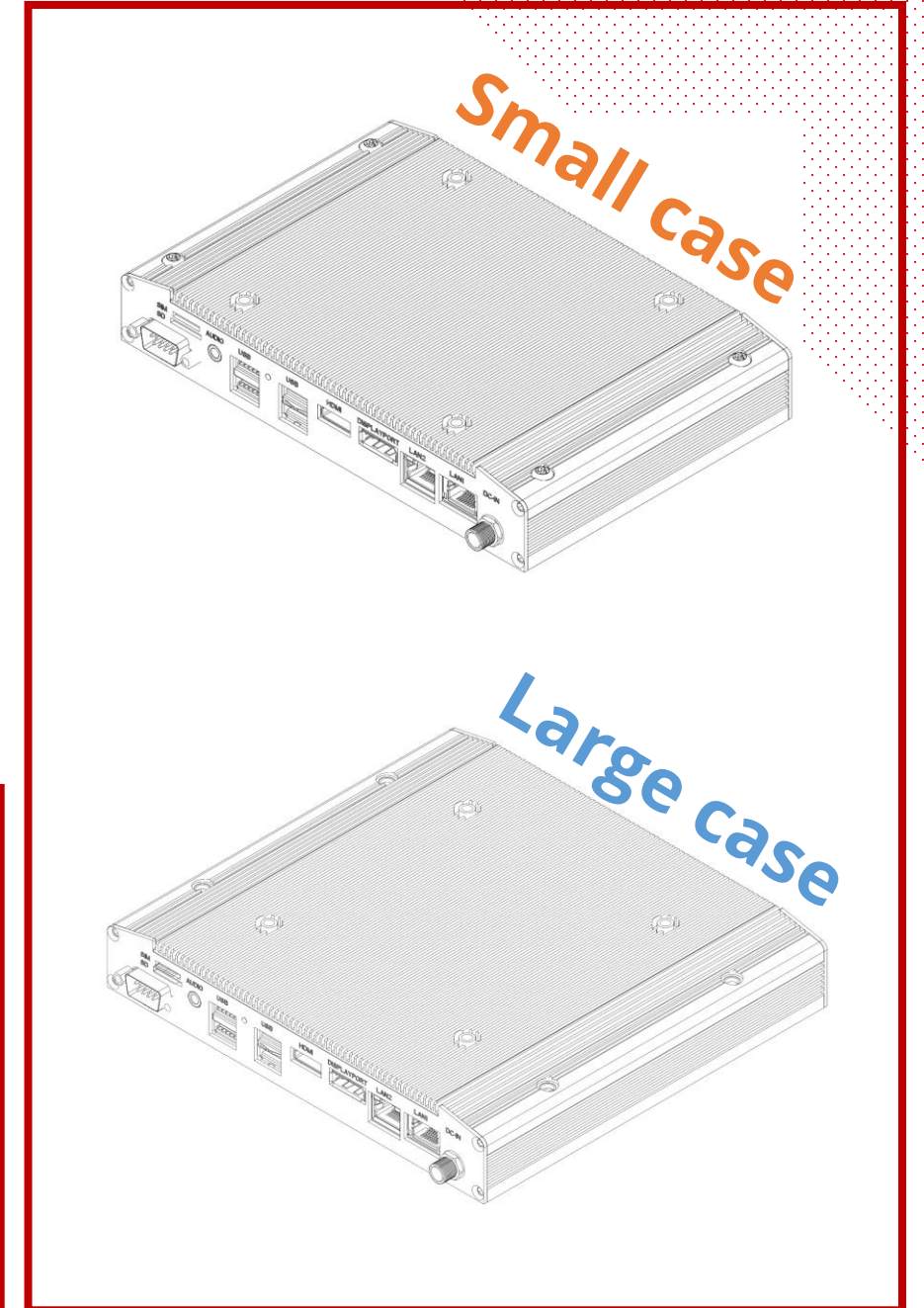
OS Support



Windows 10/11



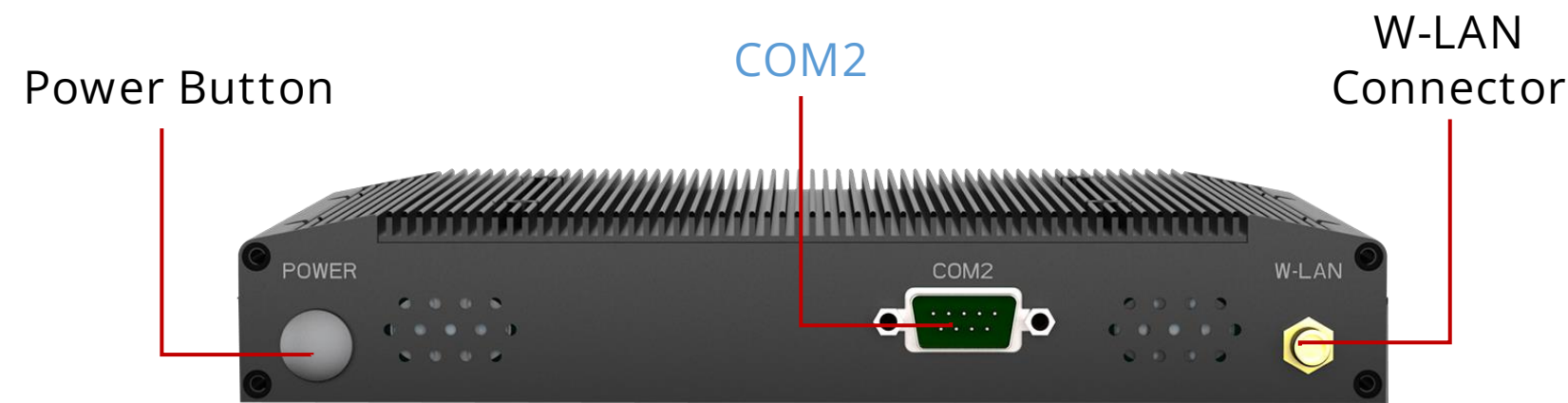
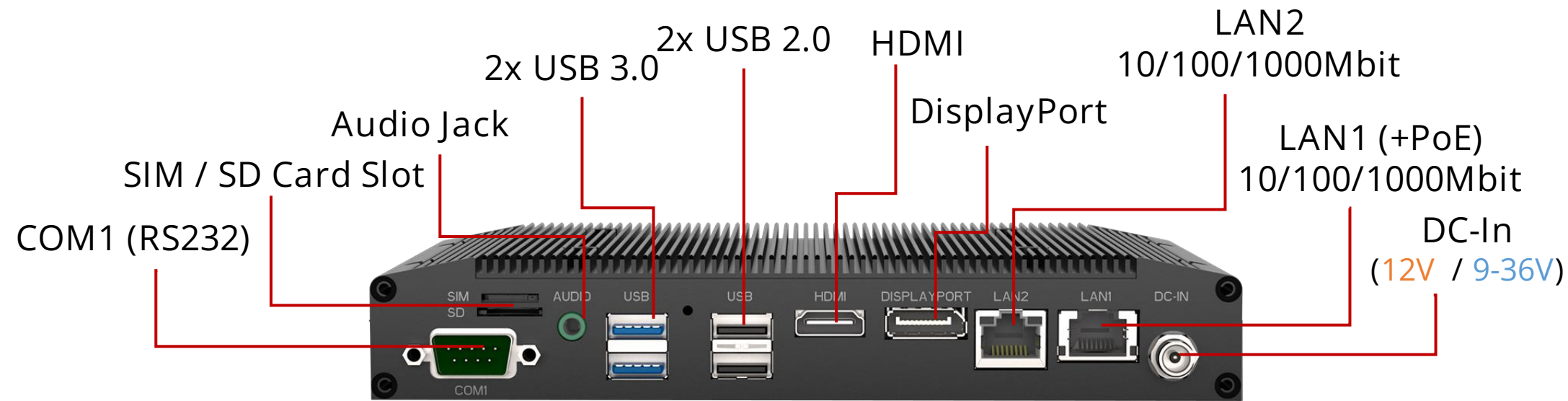
Linux Ubuntu



	CPU	OS	Storage	Front-kit fit	Housing size	Connectors
Small case version	Intel® x6413E Intel® x6211E	Debian 12 Windows 10/11	4-8GB RAM	7-32"	190 x 126.2 x 32mm	COM1, 2xUSB 2.0, 2xUSB 3.0, HDMI, DisplayPort, LAN1, LAN 2, DC-In (12V), Audio Jack, SIM / SD Card, W-LAN, Power button
Large case version	Intel® J6412	Linux Ubuntu	120GB SSD	10-32"	190 x 173.2 x 32mm	COM1, COM2, 2xUSB 2.0, 2xUSB 3.0, HDMI, DisplayPort, LAN1, LAN 2, DC-In (9-36V), Audio Jack, SIM / SD Card, W-LAN, Power button

*all units have VESA100 mounting holes

faytech's Back kits: Tiger Lake U



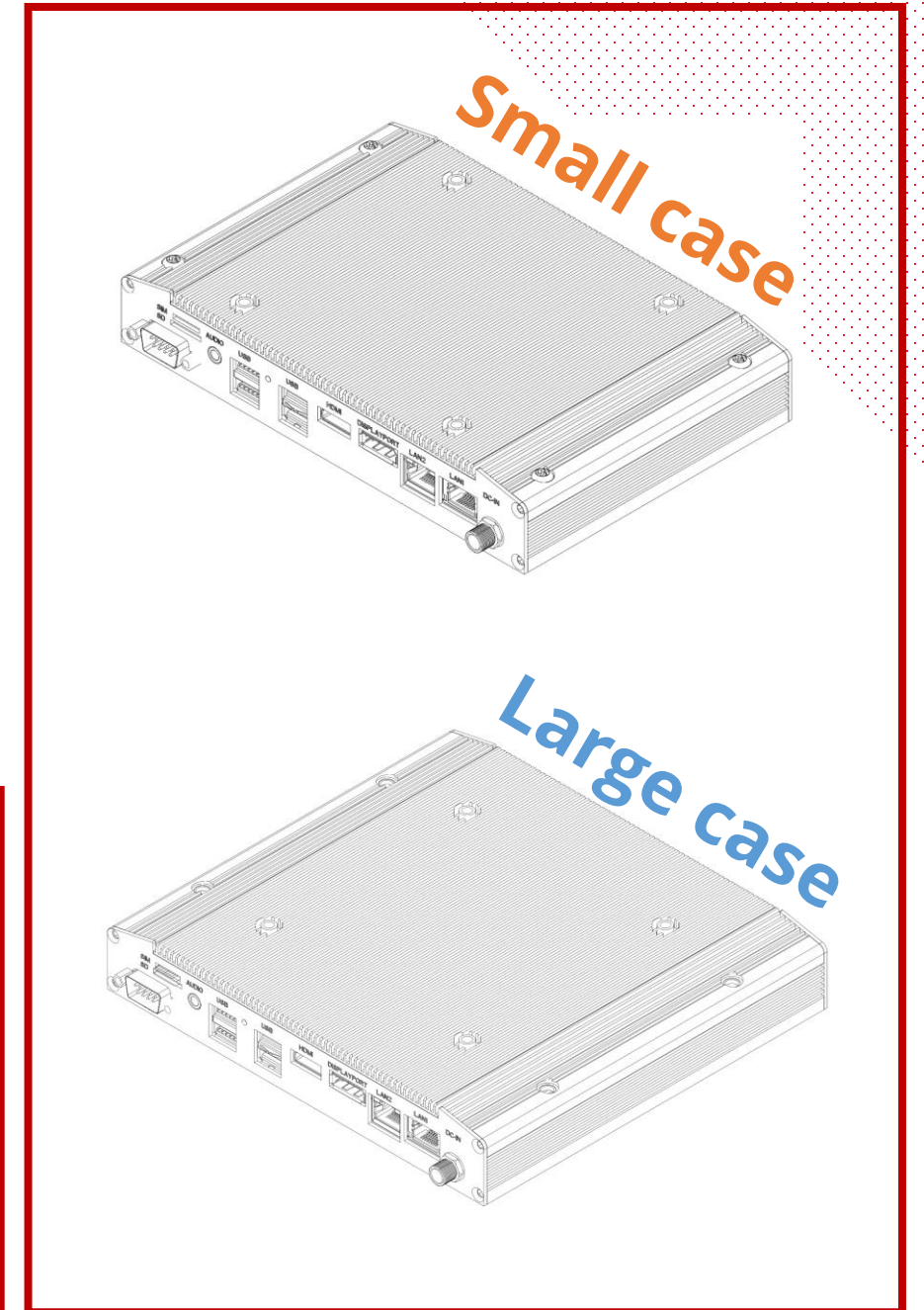
OS Support



Windows 10/11



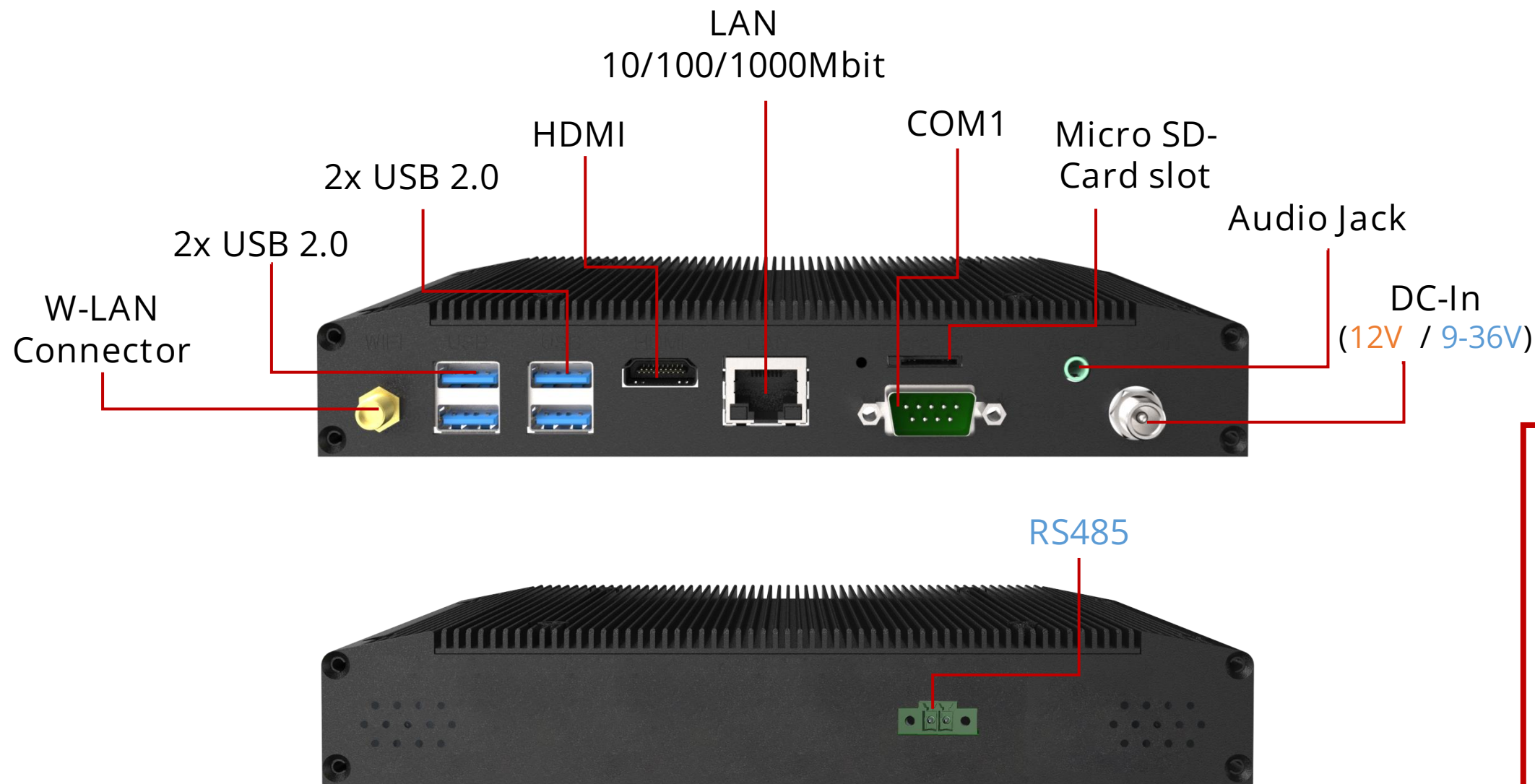
Linux Ubuntu



	CPU	OS	Storage	Front-kit fit	Housing size	Connectors
Small case version	Intel® Core™ i3-1115G4E	Debian 12	8GB RAM 16GB RAM	7-32"	190 x 126.2 x 32mm	COM1, 2xUSB 2.0, 2xUSB 3.0, HDMI, DisplayPort, LAN1, LAN 2, DC-In (12V), Audio Jack, SIM / SD Card, W-LAN, Power button
Large case version	i5-1145G7E i7-1185G7E	Windows 10/11 Linux Ubuntu	120GB SSD 240GB SSD	10-32"	190 x 173.2 x 32mm	COM1, COM2, 2xUSB 2.0, 2xUSB 3.0, HDMI, DisplayPort, LAN1, LAN 2, DC-In (9-36V), Audio Jack, SIM / SD Card, W-LAN, Power button

*all units have VESA100 mounting holes

faytech's Back kits: Amlogic A311D (Premium)



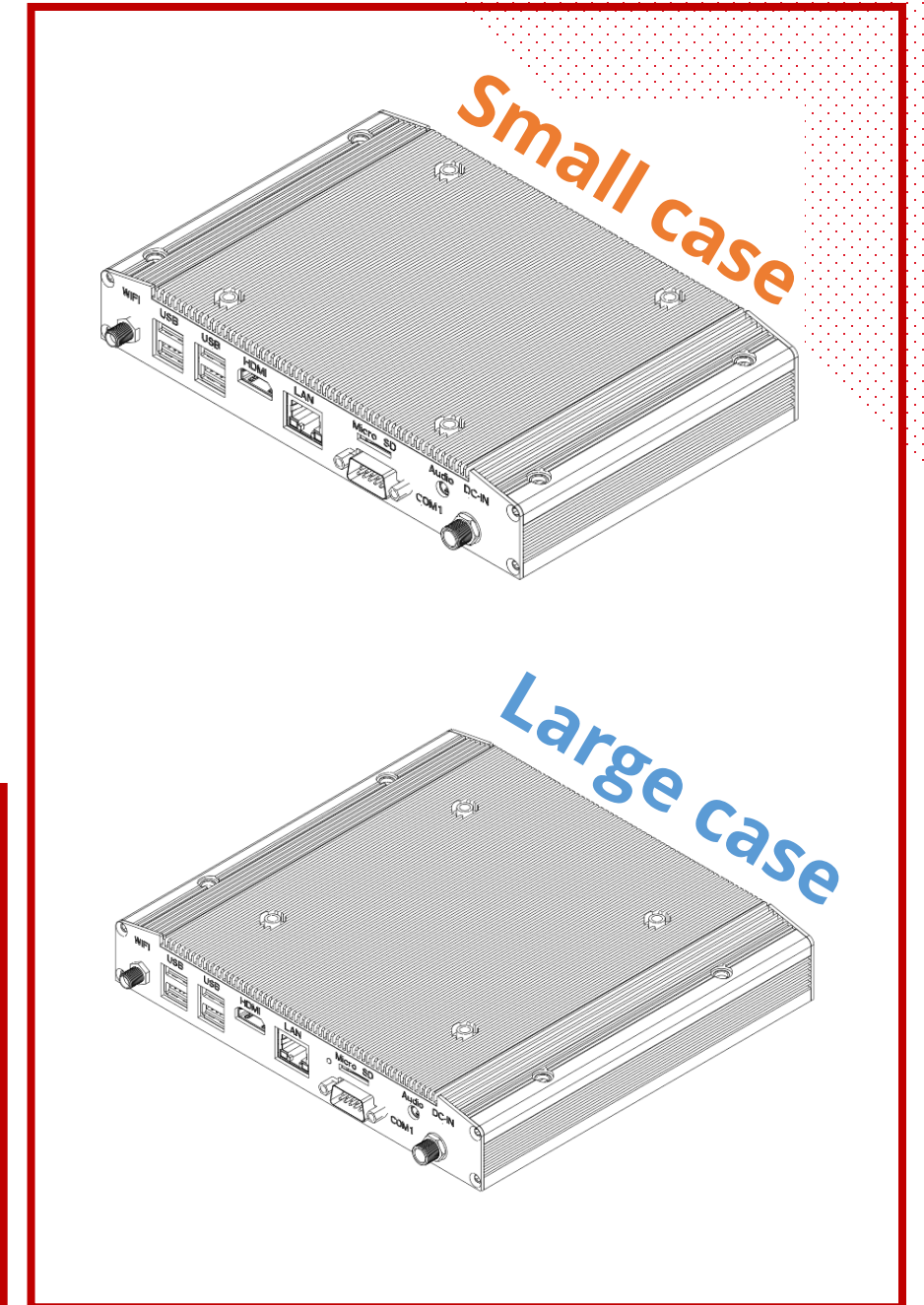
OS Support



Android 9



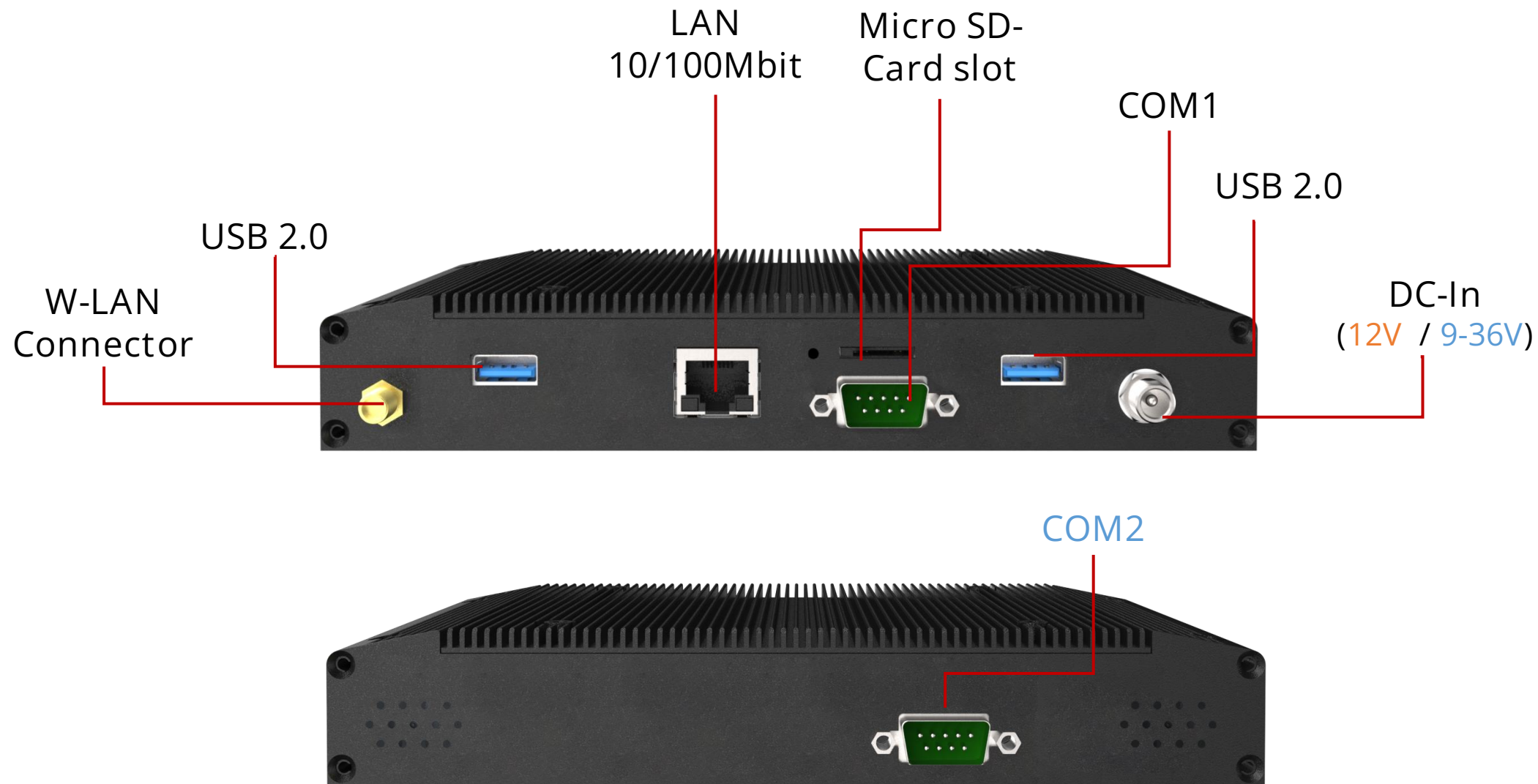
Linux +QT



	CPU	OS	Storage	Front-kit fit	Housing size	Connectors
Small case version	A311D Quad-Core Cortex A73 +	Android 9	4GB RAM	7-32"	190 x 126.2 x 32mm	COM1, 4xUSB 2.0, HDMI, LAN, Micro-SD card slot, Audio Jack, W-LAN connector, DC-In (12V)
Large case version	Dual-Core Cortex A53	Linux + QT Debian 12	64GB eMMC	10-32"	190 x 173.2 x 32mm	COM1, 4xUSB 2.0, HDMI, LAN, Micro-SD card slot, Audio Jack, W-LAN connector, DC-IN (9-36V), RS485

*all units have VESA100 mounting holes

faytech's Back kits: Amlogic S905D3 (Basic)



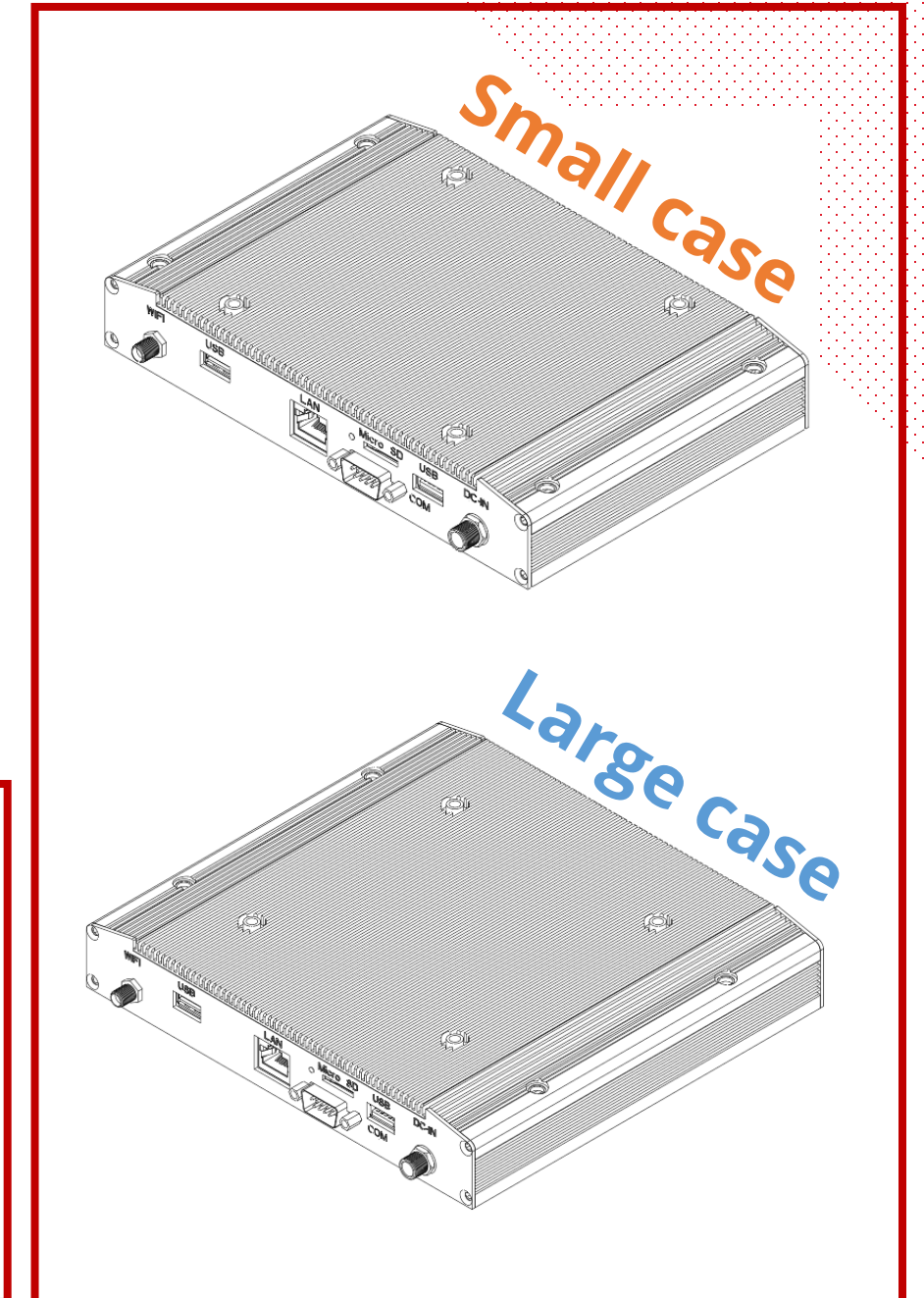
OS Support



Android 9



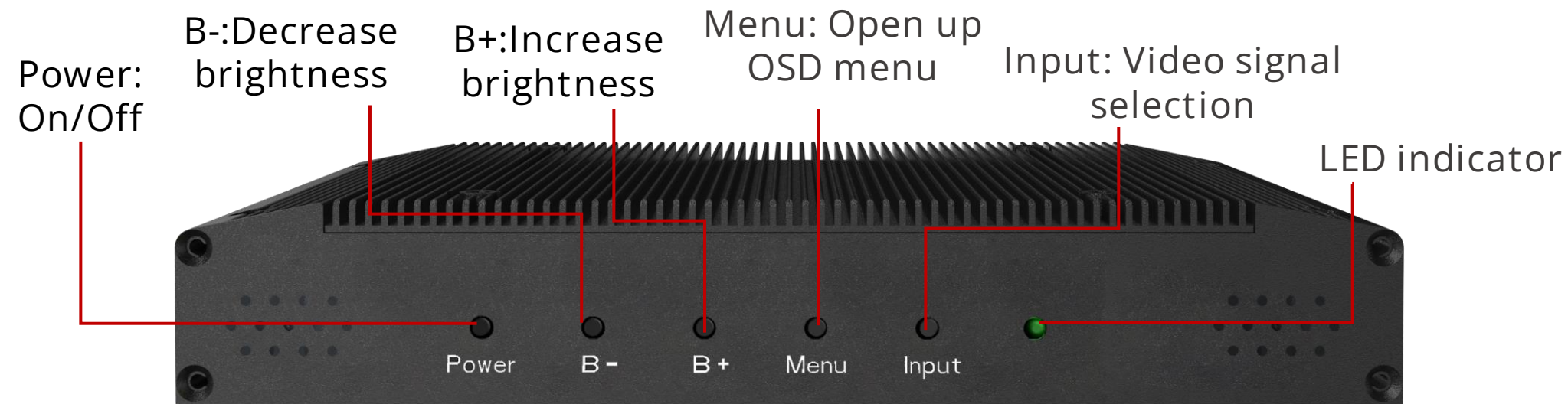
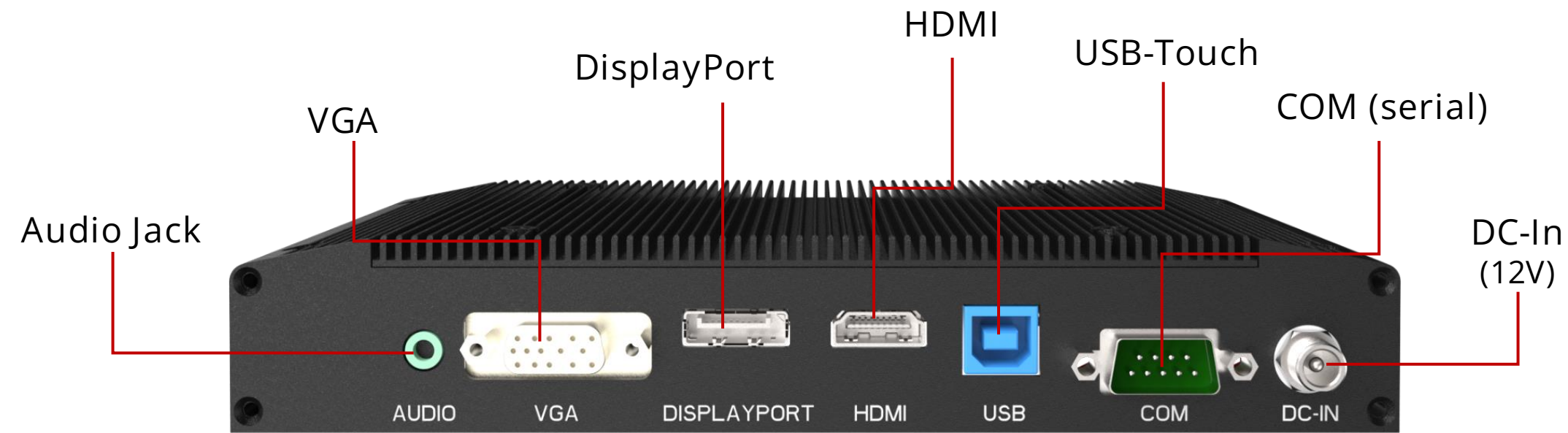
Linux +QT



	CPU	OS	SSD / RAM	Front-kit fit	Housing size	Connectors
Small case version	S905D3 Quad-Core Cortex A53	Android 9	2GB RAM	7-32"	190 x 126.2 x 32mm	COM1, 2xUSB 2.0, LAN, Micro-SD card slot, W-LAN connector, DC-In (12V)
Large case version		Linux + QT	64GB eMMC	10-32"	190 x 173.2 x 32mm	COM1, 2xUSB 2.0, LAN, Micro-SD card slot, W-LAN connector, DC-In (9-36V), COM2
		Debian 12				

*all units have VESA100 mounting holes

faytech's Back kits: Monitor

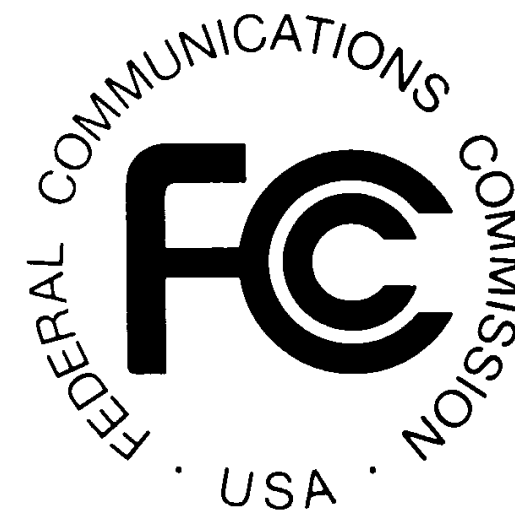
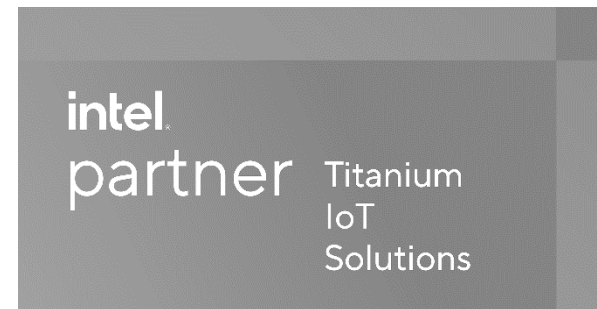


	Board	Housing Size	Buttons & Indicators	Connectors
Small case version	RTD2556T	190 x 126.2 x 32mm	Power, B-, B+, Menu, Input, LED indicator	HDMI, DisplayPort, VGA, Audio Jack, USB-Touch, COM (serial), DC-In (12V)

*all units have VESA100 mounting holes

Our Certifications

Besides our ISO9001:2015 and IATF 16949 conformity, we also have the following certifications and partnerships.



Capacitive Touch Technology Expert

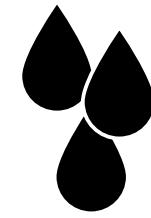


Expert in Capacitive multi-touch technology, with touch engineers solely focused on touch sensitivity and firmware fine-tuning.



Gloves Compatibility

Adjustable touch sensitivity & firmware allows full use with industrial or medical gloves

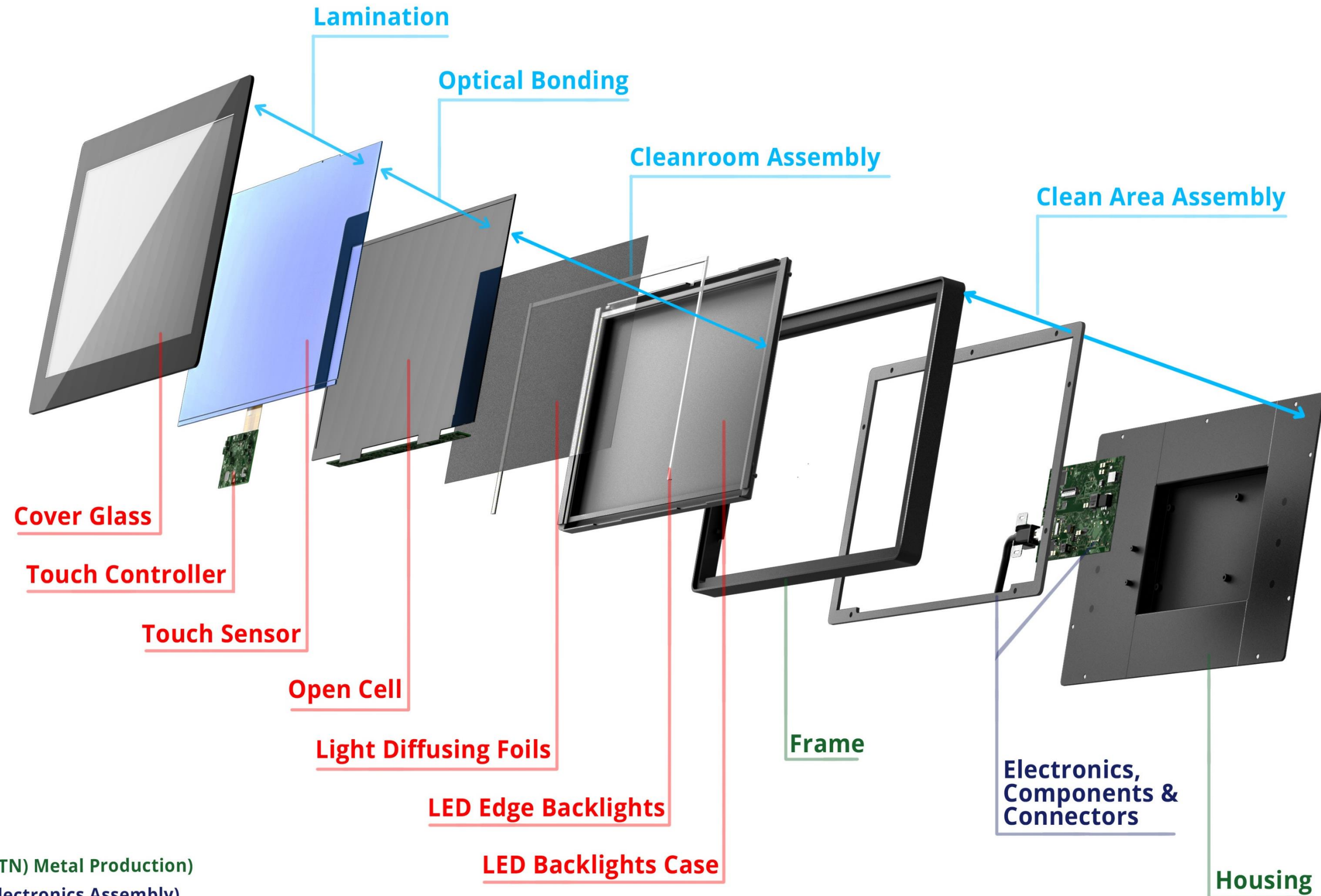


No Droplets Interference

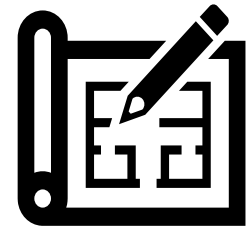
Due to the adjustable sensitivity, in humid or conditions with water droplets, no ghost touches will occur



Our Advantages #1



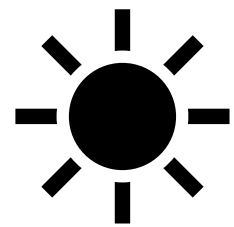
Our Advantages #2



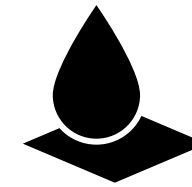
Own Mainboard Design
With own engineers in-house &
Partners in Taiwan & Germany



Own Touch Controller Design
Completely done in-house
(capacitive touch)



High Brightness Modification
Up to 2,500 nits (cd/m²)



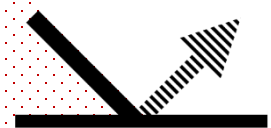
(True) Optical Bonding
In-house service, own formula /
development, fully automated with
dispensing patent technology



IP65 / IP67 / IP68
Water- & dust-proof protection



Shatter Protection
1.1-2mm cover glass, 7H, IK08 standard
up to 10mm (9H/IK10 possibility)



Coating Technologies
Anti-glare, anti-fingerprint, Anti-
microbial (Kastus[®]), Infrared, UV

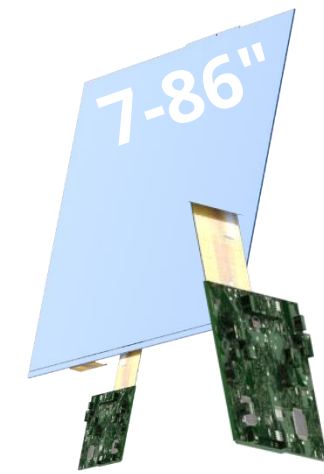


Low Power Consumption
Significant cost-saving, extend
product life, good for environment

Our Advantages #3



Cover Glass
With coating technology
possibility (7-86")



Touch Sensors & Controllers
Capacitive touch sensor & controllers
designed in-house (7-86")



Touch Panels
Cover glass + touch sensor
laminated in-house (7-86")



Housings
Aluminum / metal housing: JV
with Zentner in Suining
(custom sizes available)



Completed Touch-Kits
LCD panel + Touch Panel (incl.
touch controller)



Optically bonded in-house with
own glue formula (7-55")

About us

faytech has been manufacturing touch PCs since 2010 at its factory in China. All touch devices are solely designed and manufactured by faytech using its own ISO 9001:2015 certified production lines, following strict German quality guidelines and expectations. faytech is also ISO 14001 and IATF 16949 certified.

In 2022, faytech became a part of Pyramid AG group, allowing us to truly focus on our growth, innovation, and competitive advantage in the touch devices market – the 3 brands of Pyramid: Akhet®, faytech® and Polytouch®

PYRAMID

AKHET®

Industrial PCs & Servers

faytech

Touch-Screen Monitors & PCs

POLYTOUCH®

Interactive Kiosk Solutions

2022 REBRANDING in PYRAMID AG



PYRAMID GmbH (1985)
FAYTECH AG (2010)

2004 PYRAMID AG



(mic AG) M3BK • ETR
Listed since 2004 (SCALE)

600+ EMPLOYEES



Worldwide

3 CONTINENTS



We are active on three continents

\$100 million in 2022




PYRAMID GmbH and FAYTECH AG

 Pyramid Computer GmbH
Freiburg, Germany


 Pyramid Computer GmbH
Amt Wachsenburg, Germany


 Pyramid Computer GmbH
Witzenhausen, Germany


 faytech Tech Co., Ltd.
Shenzhen, China

 Sichuan faytech Tech. Co.
Suining, China


 Huizhou faytech Tech Co., Ltd
Huizhou, China


 faytech Inc.
Tokyo, Japan

 Deutsche faytech Korea
Seongnam-si, South Korea

 faytech Private Limited
New Delhi, India

Represented by

 Pyramid North America Inc.
Herndon, USA

 faytech US dba Connect
Tronics LLC
New York, USA



THANK YOU

faytech.com

