faytech flat

Introduction

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faytech
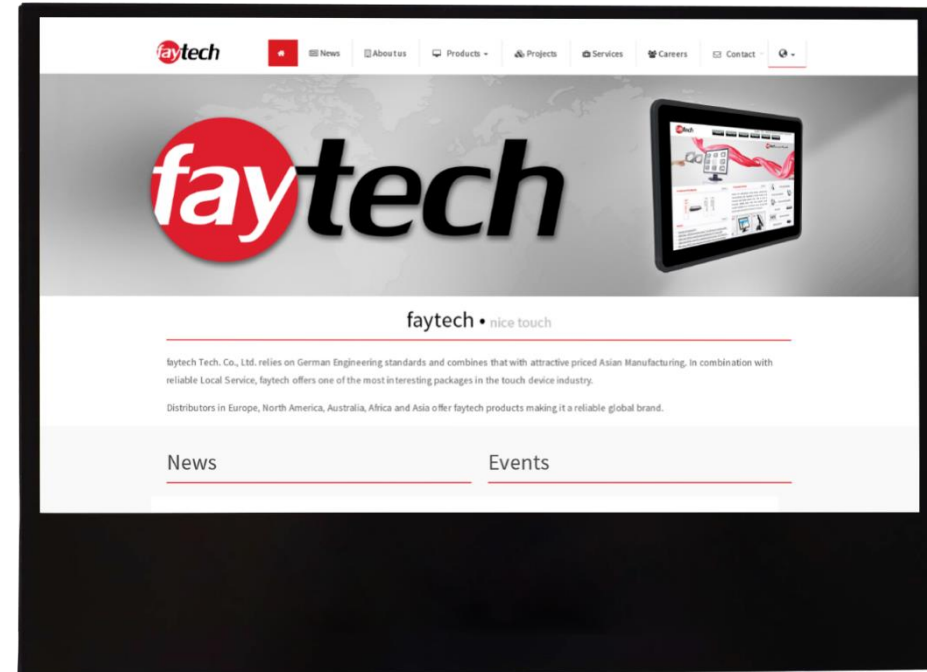
Founded	**March 27, 2009**	**Global Employees**	**300+ (50+ Specialists & Engineers)**
Headquarters	**faytech AG** (Witzenhausen, Germany)		
Consolidated Revenue	2016 **USD 10.7 Million**	**Budget spent on R&D**	2016 **USD ~1.6 Million**
	2017 **USD 14.9 Million**		2017 **USD ~2.2 Million**
	2018 **USD 25.2 Million**		2018 **USD ~3.6 Million**
	2019(e) **USD 30+ Million**		2019(e) **USD ~5.0 Million**
	2020(e) **USD 40+ Million**		2020(e) **USD ~6.5 Million**

Represented by:

- **faytech AG** (Witzenhausen, Germany)

- **faytech US dba Connect Tronics LLC** (New York, USA)

- **faytech Tech Co., Ltd.** (Shenzhen, China)

- **Sichuan faytech Tech. Co.** (Suining, China)

- **faytech Inc.** (Tokyo, Japan)

- **faytech Security Solutions Pvt. Ltd.** (New Delhi, India)

faytech flat
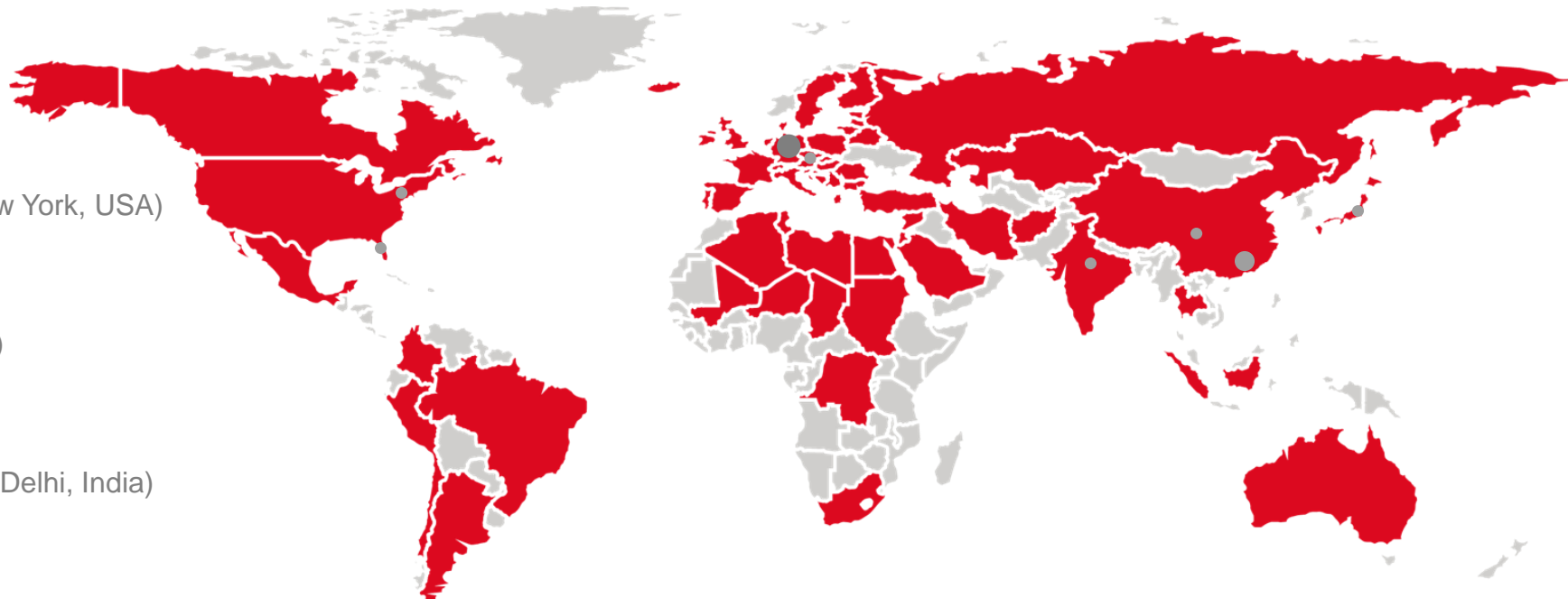
- 12.5" Lightweight portable touch monitor
- Perfect touch monitor for people on-the-go
- Works great with mobile phone, tablet or laptop
- Optically bonded touch panel to LCD panel
- Capacitive 10-finger multi-touch
- Plug and play ready
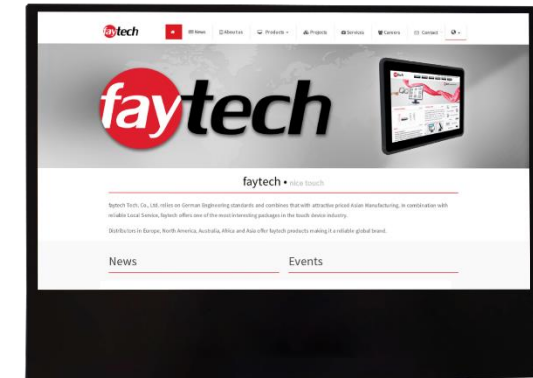
Specifications - Technical Details

Product name	12.5" faytech flat Touch Monitor
Article code / EAN number	FT125FLATV2 / 6920734012558

IP Rating
IP40

LCD Panel	
Screen diagonal (Inch/cm)	12.5/31.75
Display active screen size (cm)	27.60×15.60
Aspect ratio	16:9
Physical resolution	1920×1080
Maximum showable resolution	1920×1200
Colours displayed	16.7M
Brightness (cd/m ^{2})	300
Contrast	700:1
Typical reaction time Tr/ Tf (ms)	14/11
Visual Angle horizontal/vertical (°)	178/178
Backlight / Backlight Lifetime (hours)	LED / min. 15,000

Included in the Delivery
USB Type-C Cable
Flexible 'Snake' Stand
Protection Case

Optional Accessories
Capacitive Touch Stylus

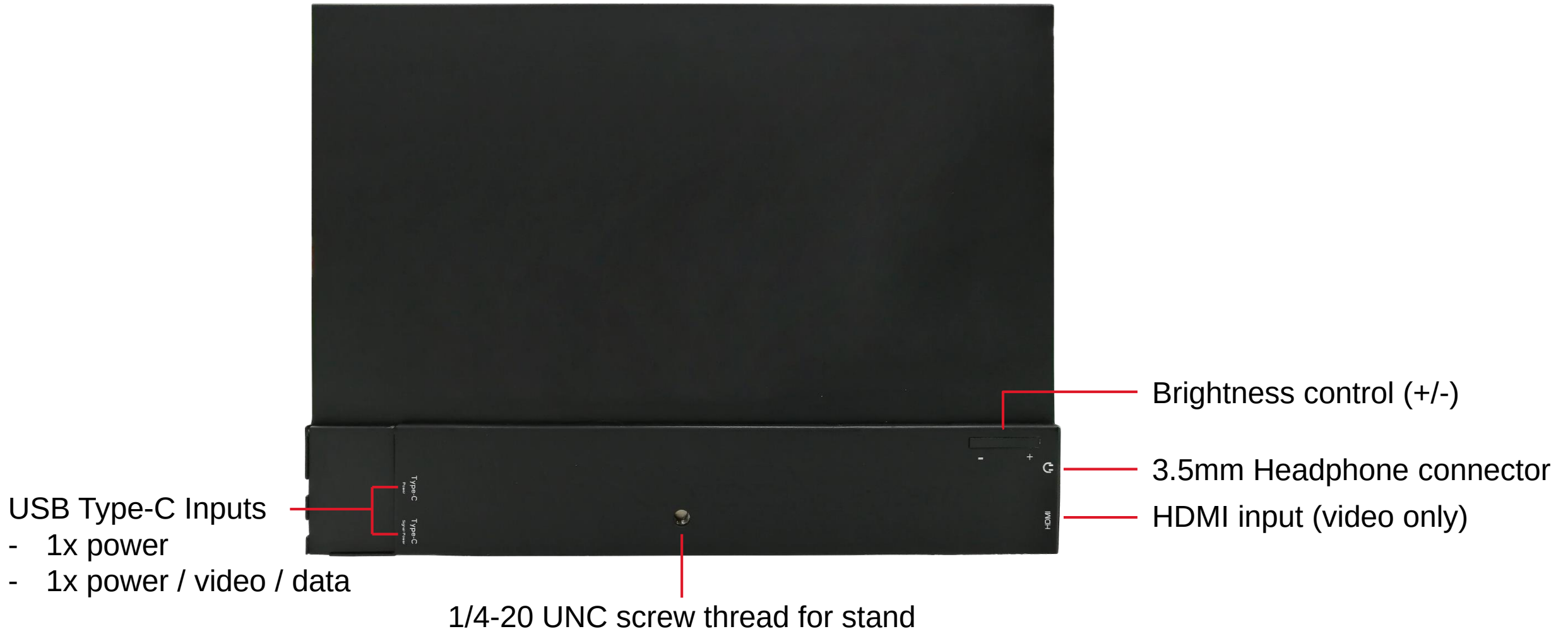| Touch Panel	
Touch Technology	Projected Capacitive 10-point Multitouch
Touch Panel Drivers	Windows; Linux; Mac; Android
Touch Life (Contacts)	Unlimited
Surface Hardness	7H
Surface Treatment	Anti-glare (chemical etched)

Operation / Mechanical	
Operating Temperature (°C)	0 ~ +60
Humidity Range (RH)	20% - 80%
Net weight (kg)	0.45
Gross weight (kg)	1.20 (incl. cartonage)
Housing material	Black powdered aluminum
Housing (cm) L × W × H	28.95 × 21.20 × 0.93
Mounting	1/4-20 UNC screw thread

Power	
Working Power (V)	5-24
Power Consumption (W)	5
Stand-By Consumption (W)	0.5

External Connectors
1x HDMI
1x USB Type-C - for Signal / Power
1x USB Type-C - for Power
1x PC-Audio

Specifications - Connectors / Buttons

Brightness control (+/-)

3.5mm Headphone connector

HDMI input (video only)

USB Type-C Inputs
- 1x power
- 1x power / video / data

1/4-20 UNC screw thread for stand

Specifications - Front

Capacitive 10-finger multi-touch

Optically Bonded

5mm Thickness
(monitor part)

9.3mm Thickness
(mainboard part)

Glass edge-to-edge front panel
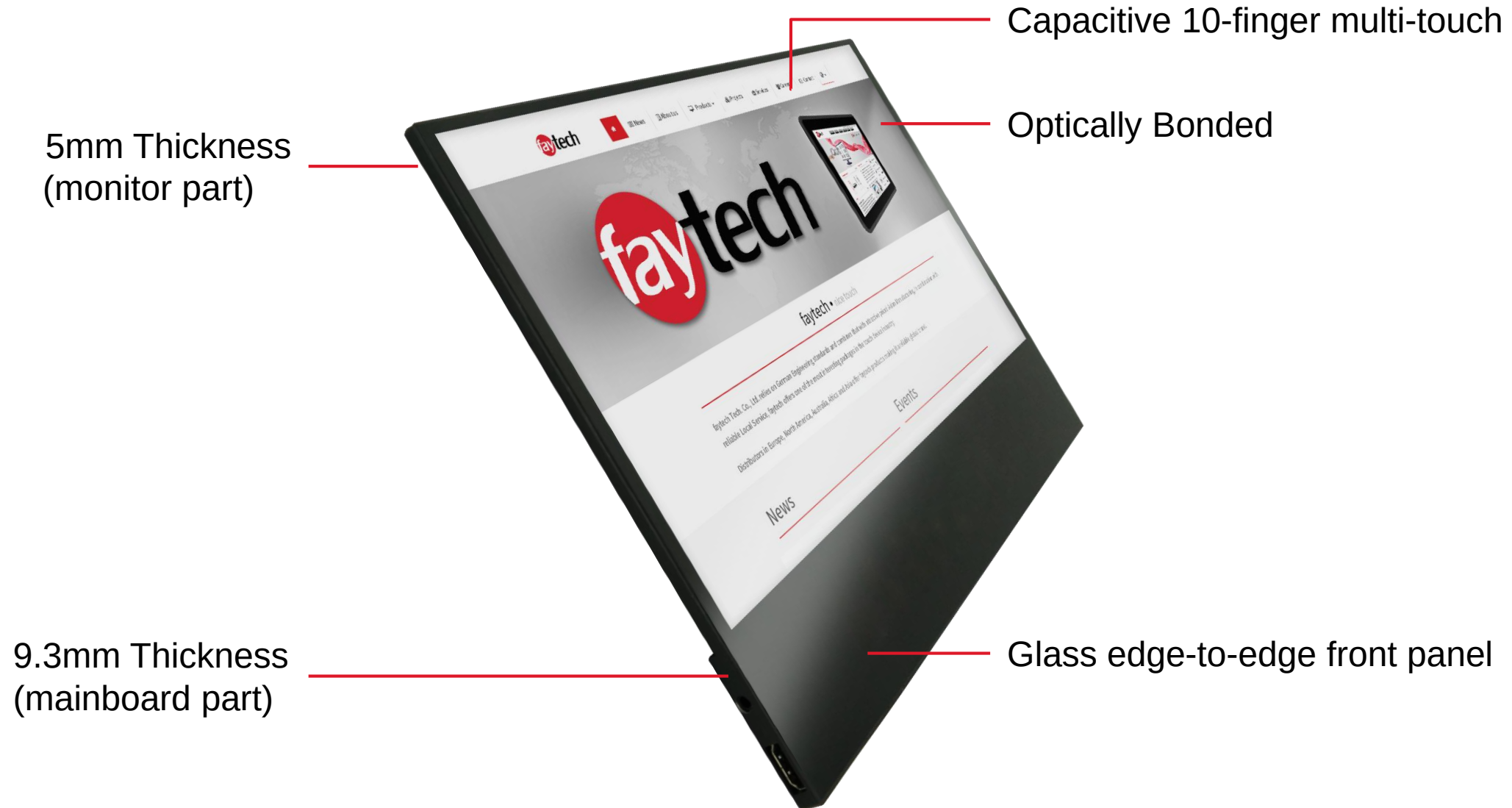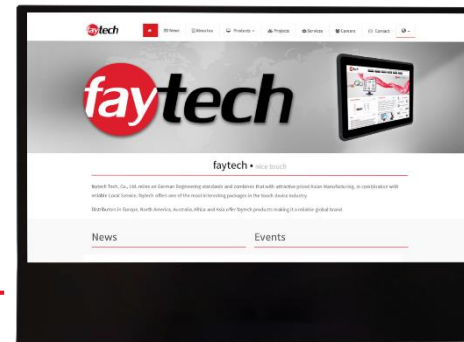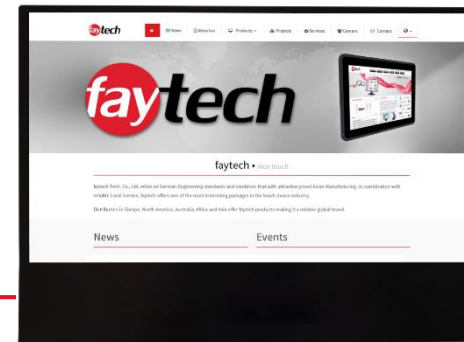
Compatibility - Windows Units (w/ Type-C)

- Connect directly from Type-C to Type-C connector
- Power supply is automatically taken from the Windows unit over Type-C
- faytech flat is detected as additional screen
- Setup through Windows
- Can turn the Windows PC / Laptop into a touch device
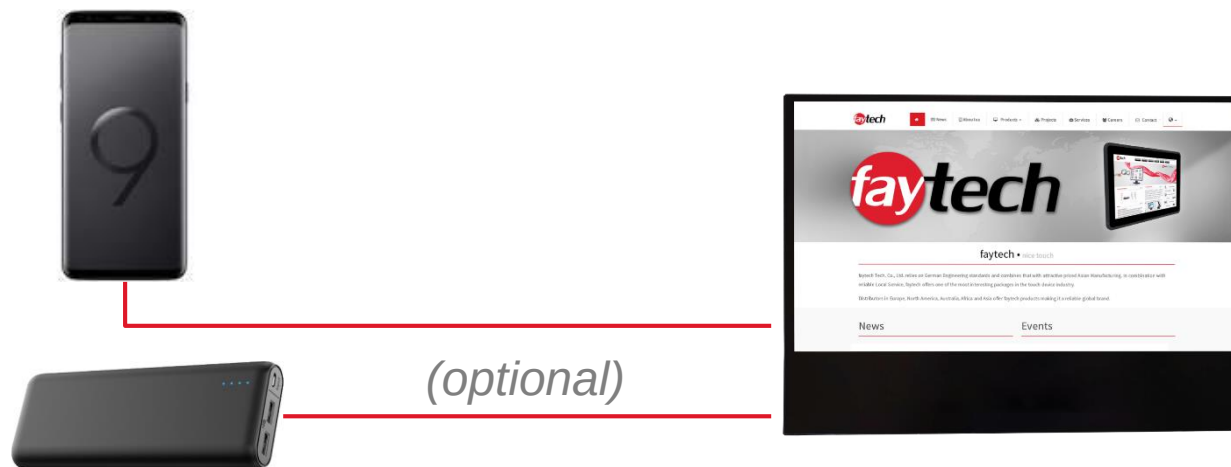
Compatibility - NUC

- Connect directly from Type-C to Type-C connector
- Power supply is automatically taken from the NUC over Type-C
- faytech flat is detected as additional screen
- Setup through Windows
- Can turn the NUC into a touch device

Compatibility - Android Unit (w/ Type-C)

- Connect directly from Type-C to Type-C connector
- Power supply is automatically taken from the Android unit over Type-C, or requires an additional power supply (depends on the unit)
- faytech flat is automatically detected
- Turns your phone into a desktop computer
- *Optionally: connect keyboard / mouse to phone over Bluetooth*

(optional)

Compatibility - Iphones

- Connect from Iphone to the HDMI port via adapter
- Power supply is taken from the external device over Type-C
- faytech flat is automatically detected
- Turns your phone into a desktop computer

Adapter

Lightning
to HDMI

Compatibility - Apple MacBooks

- Connect directly from Type-C to Type-C connector
- Power supply is automatically taken from the MacBook over Type-C
- faytech flat is detected as additional screen
- Setup through the operating system

Compatibility - Gaming Consoles

- Connect from the gaming console over HDMI
- Power supply is taken from the external device over Type-C
- faytech flat is detected as the screen
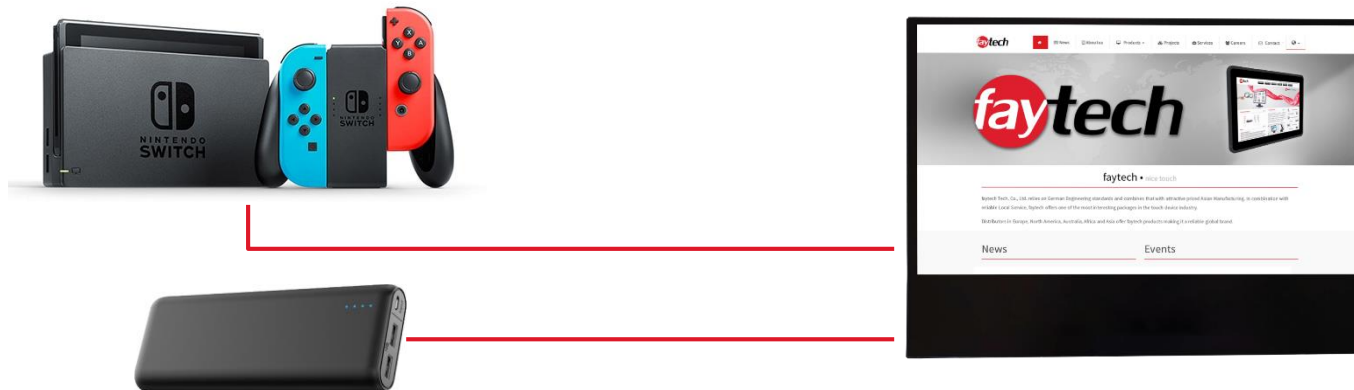
Compatibility - Standard HDMI devices

- Connect any HDMI source to the HDMI port
- Connect an external power supply over Type-C to receive power
- faytech flat is detected as the screen (no touch is possible)

- Several HDMI device examples:
  - Gaming consoles
  - DVD-players
  - Desktop PCs
  - Iphones (using adapter)
  - Ipads (using adapter)
  - Laptops

HDMI source
(device)

Compatibility - Standard USB Type-C devices

- Connect any Type-C source (or DisplayPort source using an adaptor) to the Type-C connector

DP source
with adapter
(device)

Type-C source
(device)

or
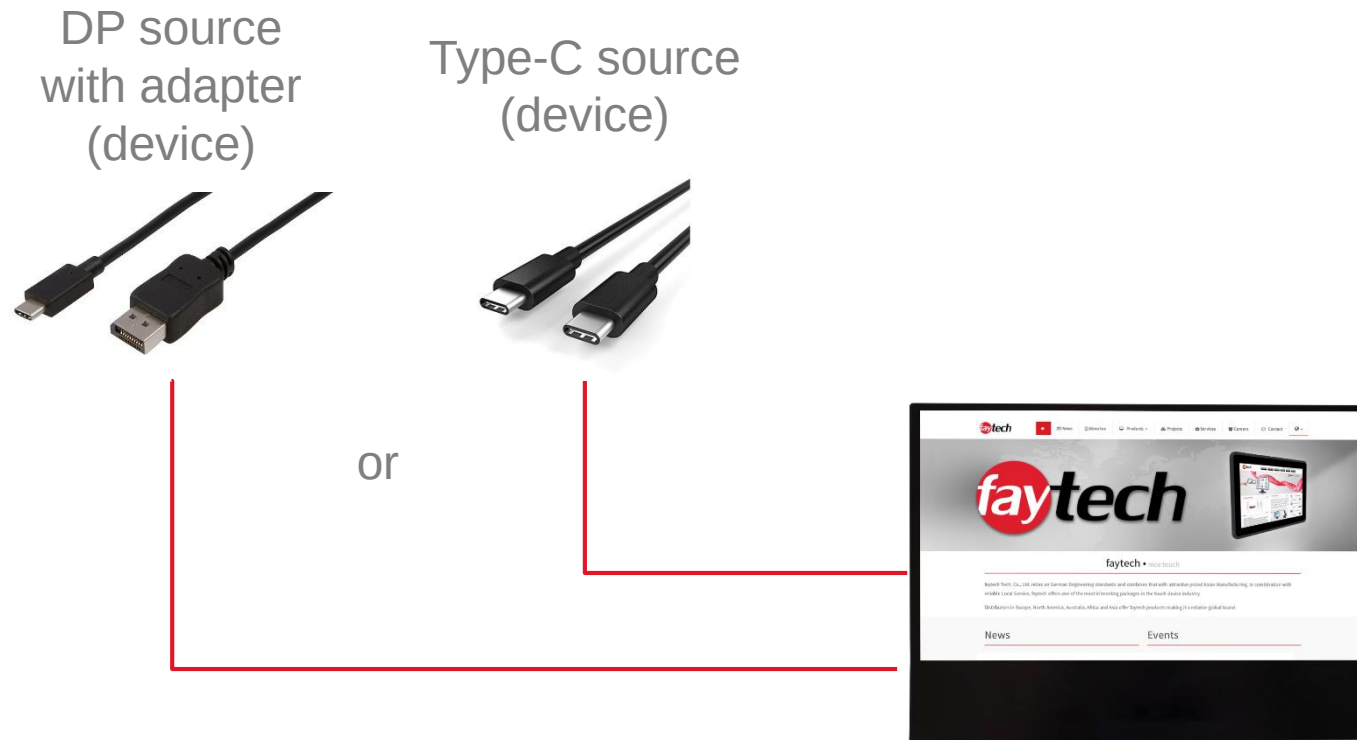
Compatibility - Smartphones

Samsung Galaxy S8
Samsung Galaxy S9
Samsung Galaxy S10e
Samsung Galaxy S10
Samsung Galaxy S10+
Samsung Galaxy Note 8
Samsung Galaxy Note 9

LG G5
LG Q8
LG V20
LG V30

Asus ZenFone3
Asus ZenFone AR
Asus ZenFone
Asus ROG Phone

Huawei Mate 10
Huawei Mate 20
Huawei P20
Huawei P30
Huawei Honor Note 10

BlackBerry Key2
BQ Aquaris
Essential Phone
Razer Phone
Razer Phone 2
Smartisan R1

HTC 10
HTC U
HTC U11
HTC U11+
HTC U12+
HTC Exodus 1

As the phone manufacturer may change their technical specifications, this list is not binding and does not claim to be complete. Check the weblink below frequently for changes.

Source: https://en.wikipedia.org/wiki/List_of_devices_with_video_output_over_USB-C#Smartphones

Configuration - Type-C

- USB Type-C is a common connector these days.
- USB Type-C can be configured with different functions, some of them are:
    - Power
    - Data Transfer
    - Video Signal Alt Mode HDMI
    - Video Signal Alt Mode DP (DisplayPort)

- In order for the faytech flat to work properly, the Type-C port should deliver:
    - Power
    - Data
    - Video Alt Mode DP

- The signal received depends on the source device!

Configuration - Type-C configuration scenarios

1. **Type-C – Power only**
   - faytech flat only receives power, not usable as display or touch display

2. **Type-C – Power + Video Alt Mode DP**
   - faytech flat can be used as a monitor (w/o touch function)
     - *Example: MacBook*

3. **Type-C – Power + Video Alt Mode DP + Data**
   - faytech flat can be used as a monitor or touch monitor
     - *Examples: Android, Windows or Linux devices*

With some devices the Type-C power line may not deliver enough power. In this case an additional power supply must be connected to the 2nd Type-C connector

Accessories - Included

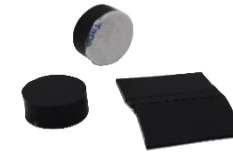• The following accessories are standard included in the faytech flat box:
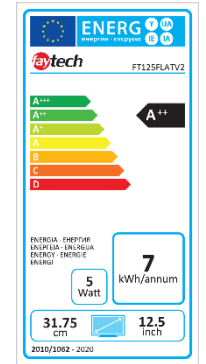

| Flexible 'Snake' Stand | USB Type-C Cable (1m) | Protection Case | Soft Protection Stickers (for back) | EEI Energy Label |

Accessories - Optional (by faytech)

- The following accessories are optional to be purchased from faytech:

Capacitive Touch Stylus
(active eGalaxPen)

Accessories - Optional (external)

- The following accessories are compatible with the faytech flat and can be purchased from external parties:

Generic
Tripod

Generic
Tablet Stand

Unique Selling Points

- 12.5" Super slim, very light weight touch monitor, thus ultra mobile
- High Resolution LCD (Full HD – 1920 x 1080)
- A+ Grade LCD Panel with flat-edge front
- Optically Bonded touch panel to LCD panel
- 100% Quality Control Check
- Compatible with a wide range of devices
- Operating system is independent

Thank you!

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