



Pictures show sample configurations, real product may vary.

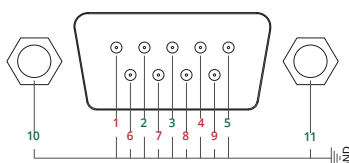
## DISPLAY

|                                 |                |
|---------------------------------|----------------|
| Display Size [inch]             | 27.0           |
| Aspect Ratio                    | 16 : 9         |
| Resolution                      | 1920 × 1080    |
| Active Area [mm]                | 597.6 × 336.15 |
| Brightness [cd/m <sup>2</sup> ] | 500            |
| Contrast Ratio                  | 1000 : 1       |
| LED MTBF [h]                    | 30,000         |
| Viewing Angle [°]               | 178 / 178      |
| Display Interface               | LVDS           |

## PC/MONITOR SYSTEM

|                                          |                                                         |
|------------------------------------------|---------------------------------------------------------|
| Processor                                | Intel Atom® x6413E (Elkhart Lake)                       |
| Standard Operating System                | Debian 12 <sup>1</sup>                                  |
| OS Available on Request (additional fee) | Linux Ubuntu, Windows 10 & 11                           |
| RAM Size                                 | 8 GB DDR4                                               |
| SSD Size                                 | 128 GB <sup>2</sup>                                     |
| Loudspeaker                              | 2× 2W                                                   |
| Wifi                                     | Intel® AX210                                            |
| HDMI                                     | 1                                                       |
| DP                                       | 1                                                       |
| Audio In / Out                           | 1 (Realtek® ALC897 Audio CODEC)                         |
| USB 2.0                                  | 2                                                       |
| USB 3.2                                  | 2                                                       |
| Ethernet Network (10/100/1000 Mbit/s)    | 2 Realtek® 8111H (LAN 1 PoE option, LAN 2) <sup>3</sup> |
| Serial Port RS232 (RX / TX only)         | 2                                                       |
| SD Card Slot                             | 1                                                       |
| SIM Card Slot <sup>4</sup>               | 1                                                       |

## SERIAL (RS232) PIN DEFINITION



|    |      |
|----|------|
| 2  | RXD1 |
| 3  | TXD1 |
| 5  | GND  |
| 10 | GND  |
| 11 | GND  |

## TOUCH PANEL

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Touch Type                    | Projected Capacitive 10-point Multi-touch |
| Printing Type                 | Organic                                   |
| Glass Thickness [mm]          | 1.1                                       |
| Cover Glass Surface Treatment | AG (chemical etching)                     |
| IK Protection                 | IK08                                      |
| Printing Color                | RAL9004 (Black)                           |
| Strengthening                 | Thermally Strengthened                    |
| Touch Controller              | EXC81W100                                 |
| Touch Interface               | USB                                       |
| Touch Resolution RX           | 96                                        |
| Touch Resolution TX           | 54                                        |
| Optical Bonding               | Clear Bond®                               |

## ENVIRONMENTAL CONDITIONS

|                       |               |
|-----------------------|---------------|
| Operation Temperature | 0°C to 50°C   |
| Storage Temperature   | -10°C to 60°C |
| Humidity Range        | 10% to 90%    |

## CERTIFICATIONS

|                 |     |
|-----------------|-----|
| CE Certificate  | Yes |
| FCC Certificate | Yes |

## CHASSIS

|                                             |                        |
|---------------------------------------------|------------------------|
| Case Design                                 | Open Frame             |
| Case Size                                   | Large                  |
| IP Protection                               | IP65 Front / IP40 Back |
| Case Color                                  | RAL9004 (Black)        |
| Case Coating                                | Powder Coating         |
| Case Material                               | Aluminum               |
| Case size L × W × H [mm]                    | 662.0 × 410.6 × 57.6   |
| Cut-out for clamp supports L × H [mm]       | 646.0 × 394.56         |
| Max. wall thickness for clamp supports [mm] | 5.0                    |
| Amount of clamps required                   | 8                      |
| Mounting                                    | VESA 100 × 100         |

<sup>1</sup> faytech Tech Co., Ltd. is not affiliated with Debian. Debian is a registered trademark owned by Software in the Public Interest, Inc.<sup>2</sup> The latest touch PCs have 128GB SSD (from SN250911B0239), first used for production on February 4<sup>th</sup> 2026. Any earlier serial numbers use 120GB SSD<sup>3</sup> To enable Power over Ethernet (PoE), the PoE Module accessory is required.<sup>4</sup> Requires additional LTE module and antenna before being able to use this slot

## ACCESSORIES

|                           |                                            |
|---------------------------|--------------------------------------------|
| Power Adapter             | 100-240V ACDC active switching; 12V DC-Out |
| Wifi Antenna              | RP-SMA female                              |
| Short Instruction Manual  | Yes                                        |
| Power over Ethernet (PoE) | No, available upon request                 |

## POWER

|                      |           |
|----------------------|-----------|
| Power Indicator      | Green LED |
| Working Power        | 9-36V     |
| Power Consumption    | 59W       |
| Stand-By Consumption | <1W       |

## 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 with **standard brightness** backlight.

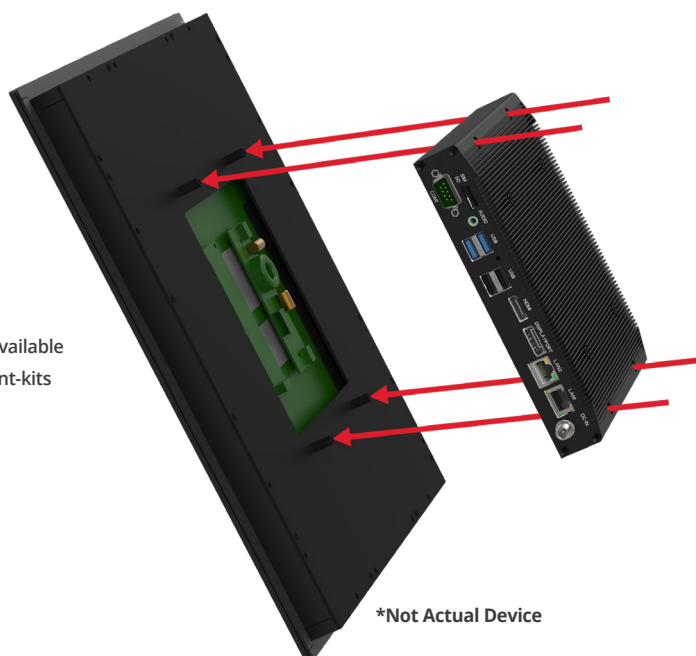
Direct sunlight might increase the device temperature beyond the allowed storage and operation conditions. Therefore the devices must be protected against direct sunlight. Devices operated or stored outside the specified temperature ranges are not covered by warranty.

## WEIGHT & PACKAGING

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Net Weight                    | ~8.20 kg est.                                   |
| Gross Weight                  | ~14.05 kg est. (incl. Cartonage)                |
| Packaging Material            | 100% recyclable cardboard and polyethylene (PE) |
| Packaging Size L × W × H [mm] | 815.0 × 485.0 × 80.0                            |

### Front kit & Back kit concept:

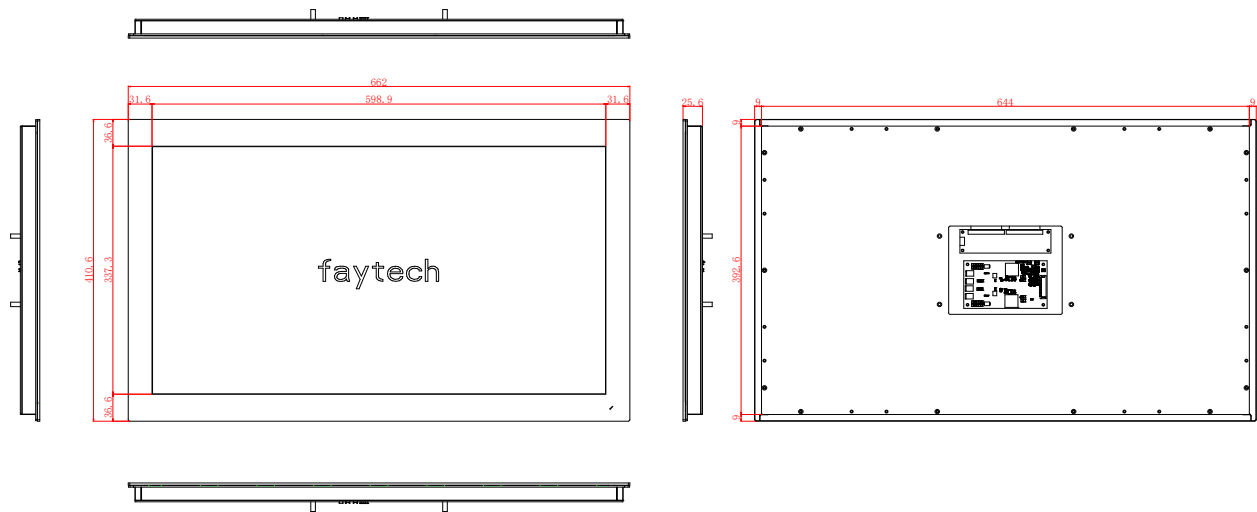
Pre-assembled or separately packaged available  
Easily replace or switch back kits and front-kits  
Connected through various connectors  
Assembly to be done by a professional



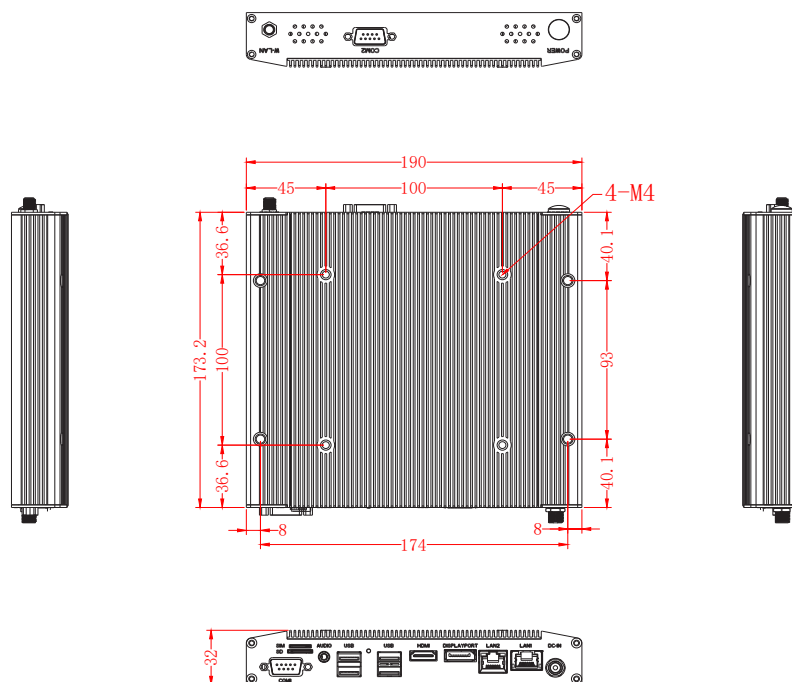
## DIMENSIONS

Pictures show sample configurations, real product may vary.

## 27" OPEN FRAME FRAME FRONT KIT



## LARGE PC BACK KIT (X6413E)



## UPDATE NOTES:

|          |               |
|----------|---------------|
| Version: | Changes:      |
| v1       | First Version |