

FT121TMCAPOB

Previous versions: v3: GL: 3030509594 | EU: 1010502308

v4: GL: 3030516243 | EU: 4010077704

v2: GL: 3030505818 | EU: 1010502068



Pictures show sample configurations, real product may vary.

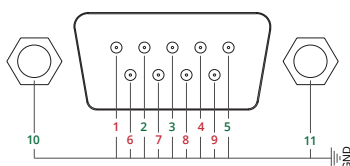
DISPLAY

| | |
|---------------------------------|-----------------|
| Display Size [inch] | 12.1 |
| Aspect Ratio | 4 : 3 |
| Resolution | 1024 × 768 |
| Active Area [mm] | 245.76 × 184.32 |
| Brightness [cd/m ²] | 500 |
| Contrast Ratio | 700 : 1 |
| LED life time [h] | 50000 |
| Viewing Angle [°] | 160 / 160 |
| Display Interface | LVDS |

PC/MONITOR SYSTEM

| | |
|----------------------------------|--|
| Monitor Controller | Realtek® RTD2556T |
| Monitor Firmware | Standard |
| Loudspeaker | 2× 2W |
| HDMI | 1 |
| DP | 1 |
| VGA | 1 |
| Audio In | 1 |
| USB-B (touch) | 1 |
| Serial Port RS232 (RX / TX only) | 1 |
| OSD Buttons | Power On/Off, Decrease Brightness/Left/Down, Increase Brightness/Right/Up, Menu/Enter, Input Selection |
| Adjustable Features | Brightness, Contrast, Screen Setting, Color Temp, Color Effect, Language, Reset, Auto Adjust (see instruction manual for full details) |

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 |
| IK Protection | IK7 |
| Printing Color | RAL9004 (Black) |
| Strengthening | Thermally Strengthened |
| Touch Controller | EXC81W84 |
| Touch Interface | USB |
| Touch Resolution RX | 45 |
| Touch Resolution TX | 34 |
| 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 | Rubber Frame Sealing |
| Case Size | Small |
| IP Protection | IP65 Front / IP40 Back |
| Case Color | RAL9004 (Black) |
| Case Coating | Powder Coating |
| Case Material | Aluminum |
| Case size L × W × H [mm] | 301.0 × 246.0 × 52.5 |
| Cut-out for clamp supports L × H [mm] | 277.0 × 222.0 |
| Max. wall thickness for clamp supports [mm] | 5.0 |
| Amount of clamps required | 6 |
| Mounting | VESA 100 × 100 |

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ACCESSORIES

| | |
|--------------------------|--|
| Power Adapter | 100-240V ACDC active switching; 12V 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

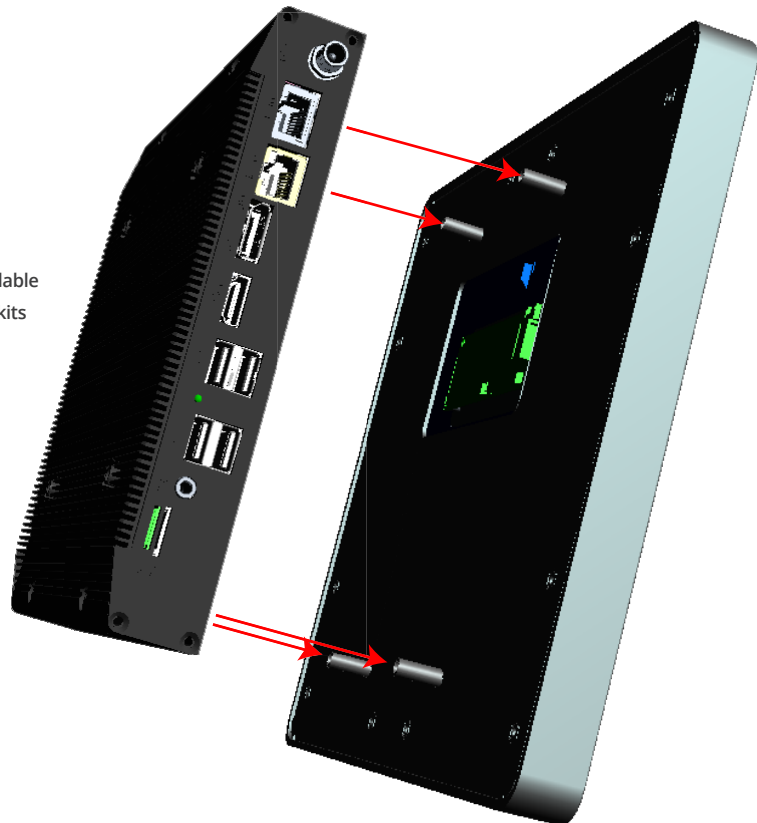
| | |
|----------------------|-----------|
| Power Indicator | Green LED |
| Working Power | 12V |
| Power Consumption | 12W |
| Stand-By Consumption | <1W |

WEIGHT & PACKAGING

| | |
|-------------------------------|---|
| Net Weight | ~2.60 kg est. |
| Gross Weight | ~4.10 kg est. (incl. Cartonage) |
| Packaging Material | 100% recyclable cardboard and polyethylene (PE) |
| Packaging Size L x W x H [mm] | 433.0 x 290.0 x 80.0 |

Front kit & Back kit concept:

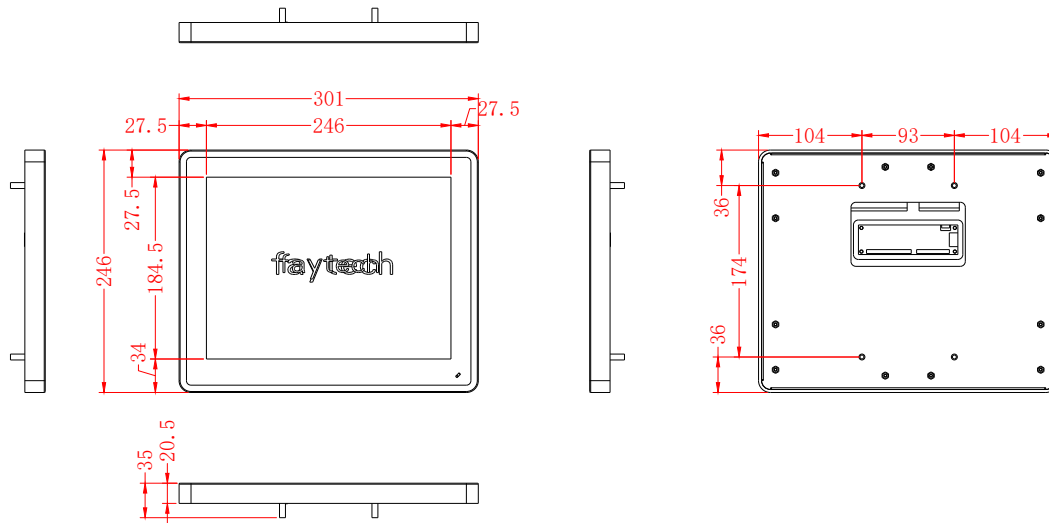
- Pre-assembled or separately packaged available
- Easily replace or switch back kits and front-kits
- Connected through various connectors
- Assembly to be done by a professional



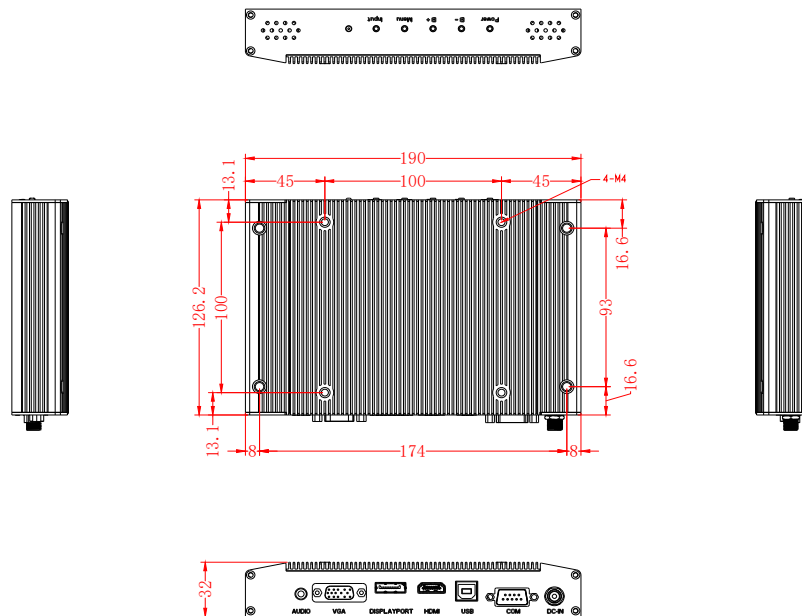
DIMENSIONS

Pictures show sample configurations, real product may vary.

12.1" RUBBER FRAME FRONT KIT



SMALL MONITOR BACK KIT (RTD2566)



UPDATE NOTES:

| Version: | Changes: |
|----------------------|---|
| v4 (current version) | Implemented modular front and back kit concept |
| | Changed ABS plastic back kit to Aluminum back kit |
| | Changed button location and lay-out |

