



## BeFREE 20 (BF20)

15.0" Touchcomputer with Integrated Intercom



### Features

- Ergonomic integration of a fanless touchcomputer and an intercom
- Modular - combinable with other FREE modules into multifunctional terminals
- Low-profile horizontal design
- Silent and reliable - no moving parts, industrial grade components, Ethernet redundancy, redundant internal audio and controller interfaces
- Built-in Tipro Controller
- Cable management - hidden and secured, but accessible
- Optional Inclination Mechanism (VESA 75)

### Applications

- Operator/Dispatcher terminals/consolas for command and control centres in:
  - Transport and traffic control (railways, air traffic ...)
  - Public safety (police, fire brigades, ambulance ...)
  - Utilities (electricity, gas ...)
  - Building/facility management systems (airports, banks, industrial plants ...)
- Trading and banking consoles
- Multifunctional control panels

## Technical details

### Computer

- Intel Quad-Core J6412 processor with 8 GB RAM (optional 16 GB RAM)
- Solid State Disk 256 GB

### Connectivity

- LAN: 2 x Gigabit ethernet
- USB: 2 x USB 2.0 (Tipro Devices), 4 x USB 3.2
- COM: 1 x RS232
- External Display: HDMI, DP
- Audio: Line-in, Line-out, microphone-in, speaker-in, microphone-out, TAC (for analog switching Handset)
- Digital input: 2x
- Internal: left and right Tipro Bus for add-on modules

### Display & Touchscreen

- Industrial grade 15.6" high-brightness TFT LCD with HD (1920 x 1080) resolution
- ELO 5-wire resistive touchscreen

### Intercom

- Stereo loudspeakers (10W each) with two separate volume controls (incremental encoders)
- Goose-neck microphone with illuminated PTT key
- Dual USB audio device
- HID telephony interface supported
- Connected to the internal sound card (analogue interface)
- Up to eight listening (output) and up to four recording (input) channels
- Connection for analogue switching Handset
- Optional echo-canceller with a digital signal processor

### Keys & Indicators

- Two volume control incremental encoders (endless potentiometers)
- Illuminated PTT key
- Five mechanical keys for brightness control, volume adjustment and touchscreen (de)activation
- Dual three-colour bar-graph display as VU meter, volume and brightness indicator
- Several LED indicators (power, SSD, microphone, touchscreen ...)

### Power Supply Unit (AC/DC Adapter):

- 12V/80W (included)

### Dimensions:

- Dimensions: 440 x 342 x 111 mm (WxDxH)

