



[ TIPRO ]

## BeFREE 10 (BF 10)

10.4" Touchcomputer with Integrated Intercom



### Features

- A member of FREE modular family
- Space-saving integration of a fanless touchcomputer and an intercom (functional equivalent to the combination of BeFREE 15 and Speakerbox module)
- Low-profile horizontal design
- Silent and reliable - no moving parts, industrial grade components, Ethernet redundancy, redundant internal audio and controller interfaces
- Extensive connectivity (LAN, USB, COM, external display, digital inputs)
- Cable management - hidden and secured, but accessible
- Built-in Tipro Controller
- Stereo loudspeakers (Left and Right, 2 x 2W) with volume control encoder
- Central low-frequency loudspeaker (1 x W) with programmable equalizer
- Goose-neck microphone with illuminated PTT key
- Three-colour bar-graph display
- Three mechanical keys for brightness control and other functions
- Mechanical key-switch inside the encoder for bar-graph control
- Several LED indicators (power, SSD, microphone, speakers, touchscreen ...)
- Optional Inclination Mechanism (VESA 75)

### Applications

- Operator/Dispatcher terminals/consols 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 consols
- Multifunctional control panels



## Technical details

### Processor & Memory:

- Intel® Quad-Core J1900 at 2.0 GHz with 4 GB of RAM

### General:

- Built-in Tipro Controller enables:
  - Modularity and programmability
  - Energy saving modes
  - Brightness adjustment
  - Touchscreen disable/enable control
  - Five programmable keys
  - Two programmable digital inputs
- Combinable with other FREE add-on modules into multifunctional terminals
- Built-in Intercom:
  - USB audio device (stereo loudspeakers and goose-neck microphone)
  - HID telephony interface supported
  - Connected to the internal soundcard (analogue interface)
  - Up to four listening (output) and two recording (input) channels
  - Mechanical long-travel PTT key with background illumination
  - Incremental encoder (endless potentiometer) for volume control
  - Three-colour bargraph display as VU meter, volume and brightness indicator
  - Analogue front-end designed to meet wide-band telephony standards
  - Programmable signal processing includes ambient noise suppression (noise gating), signal compression and limiting
  - Optional echo-cancellation circuitry with a digital signal processor

### Connectivity:

- 2 x LAN, 6 x USB, 1 x COM, 1 x VGA, 2 x digital input

### Mass Storage:

- Solid State Disk; 2.5" SATA, 128 GB

### TFT LCD:

- Size: 10.4" diagonal
- Resolution: 1024 x 768
- Luminance/Brightness: 350 cd/m<sup>2</sup> (typical)
- Contrast ratio: 1000 : 1 (typical)
- Viewing angle: 88° in all directions (typical)

### Touchscreen:

- "Accutouch" 5-wire resistive of Elo

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

- 12V/80W (included)

### Dimensions:

- Dimensions: 332 x 278 x 100 mm (WxDxH)
- Weight: 3.9 kg

