

Differences Between BeFREEs



BeFREE 22

Display Size	15.6"
Display Resolution	HD (1920 x 1080)
Touchscreen	ELO 5-wire Resistive or Projected Capacitive (PCAP)
Embedded Computer	Intel J6412, 8GB RAM (Optional 16 GB or 32 GB RAM), 256GB SSD
Analogue Sound Card	Internally Connected to InterCom
Ext. Sound Card Connections	Yes
InterCom	Integrated (USB and/or Analogue)
USB Audio Codecs	2
Ext. Analogue Audio in & out	Yes
Stereo Loudspeakers	Yes (2 x 5W)
Volume Control Encoders	2
Volume Control Keys	Yes
Goose-Neck Microphone	Yes
Illuminated PTT Key	Yes
Bar-Graph Displays	2
Control Keys	5
Line Keys	16 -with LED Indicators (Optional without line keys)
External Digital Inputs	2
Handset	Optional module (USB or Analogue)
Dimensions W x D x H [mm]	440 x 342 x 112

BeFREE 20

15.0"	10.4"	7.0"
XGA (1024 x 768)	XGA (1024 x 768)	800 x 480
ELO 5-wire Resistive	ELO 5-wire Resistive or Projected Capacitive (PCAP)	Projected Capacitive (PCAP)
Intel J6412, 8GB RAM (Optional 16 GB or 32 GB RAM), 256GB SSD	Intel J6412, 8GB RAM (Optional 16 GB or 32 GB RAM), 256GB SSD	Dual Core Celeron N6210, 8GB RAM (Optional 16 GB or 32 GB RAM), 64 GB SSD (Optional 256 GB SSD)
Internally Connected to InterCom	Internally Connected to InterCom	-
Yes	No	-
Integrated (USB and/or Analogue)	Integrated (USB and/or Analogue)	Integrated (USB Audio)
2	1	1
Yes	No	No
Yes (2 x 5W)	Yes (2 x 5W)	Yes (2 x 5W)
2	1	1
Yes	No	No
Yes	Yes	Yes
Yes	Yes	Yes
2	1	1
5	3	0
0	Optional 12 programmable keys	6
2	2	-
Optional module (USB or Analogue)	Optional module (USB or Analogue)	Integrated (Analogue)
440 x 342 x 112	332 x 278 x 100	332 x 278 x 113





3.5" Touchcomputer

The BeFREE 03 is the smallest BeFREE module in Tipro's FREE modular range.



Handset Intercom **BF03**

- » It enables to add a touchscreen and network connection to Tipro's Intercom and/or Handset with a small footprint.
- » In contrast to its larger siblings that have microphone and speakers integrated, the BF03 is designed to be combined with our Voice Communication Modules.

Technical details

Computer

- » Processor: 800 MHz ARM Cortex A7
- » System Memory: 1 GB RAM

Mass Storage

- » Type: internal eMMC flash
- » Capacity: 4GB
- » External mass storage: μ SDCard slot

Display

- » Type: TFT LCD
- » Size: 3.5" diagonal
- » Native resolution: 320 x 480 (portrait)

Touchscreen

- » Projected Capacitive Touch

Connectivity

- » USB: 2 x USB 2.0 ports
- » Ethernet : 1 x 10/100 Mbit
- » 12V DC input

Linux pre-installed.



BF03 with Handset

BF03 with Intercom

USB Audio Device for the Hands-Free Communication

The Intercom is the new version of Tipro's Speakerbox.



- » Compact design.
- » It can be used on its own, as USB audio device or in combination with a Handset.
- » It can be expanded with a second speaker unit which allows for independent volume control for the left and right channel and has a digital input (e.g. foot-switch).
- » Besides this, it can be used in combination with the new BF03 as a very compact console solution.



Intercom with Handset

Intercom with a second speaker unit

Basic Technical Data

- » USB audio device
- » 10 W speaker
- » Unidirectional gooseneck microphone
- » PTT key + 2 freely programmable keys
- » 8 W amplifier (per channel)
- » 12V input
- » Incremental encoder (endless potentiometer) for volume control
- » HID keyboard / HID Telephony interface
- » Optional hardware echo-canceler
- » Dimensions [WxDxH]: 98 x 222 x 73 mm (without gooseneck microphone, including side covers)

