



Product Upgrade Notification

January 2024



Affected products:

BeFREE 10, BeFREE 20, BeFREE 20 (Ordering Codes BFxx-JD2-xxx)

New CPU and general overhaul:

- » New mainboard with new CPU
- » New audio amplifier
- » New loudspeakers

Generally speaking, Tipro strives to make as little changes to products as possible, but after more than 5 years it is time to refresh the computer part inside the BeFREE 10, 20 and 22. Not only will this offer more performance (roughly 4 x faster compared to the previous BeFREEs) but it is necessary to upgrade the hardware to be able to support the latest operating system Windows 11.

The basic look and function of the devices has not changed; the housing, display, touch, etc. all remain the same. There are some slight changes in connectivity (display and USB, see table on next page).

Besides the built-in computer, another big change is in the audio output: new speakers and a new amplifier offer more volume and a better sound.

The same software that is running on the J1900 based BeFREEs can run without any issues on the new J6412 based BeFREEs.

It will be necessary to install new drivers for the mainboard, but the drivers for the USB audio codec, touch controller all remain the same.

It will also be necessary to use the latest ChangeMe software to configure the new BeFREEs; the electronics inside have a new ID.



| | BFxx-JD2-xxx | BFxx-JEx-xxx |
|---|--|---|
| CPU | Intel Quad Core J1900 | Intel Quad Core J6412 |
| Speed | 2.0 GHz (2.42 GHz burst frequency) | 2.0 GHz (2.60 GHz burst frequency) |
| RAM | 4GB DDR3L 1333 MHz (8 GB option) | 8GB DDR4 2666 MHz (16 GB option) |
| Storage | 250 GB 2.5" SSD; SATA II – 3 GB/s | 250 GB M.2 SSD; SATA III – 6 GB/s |
| Windows support | Win 7, 8, 10 | Win 10, 11 |
| Audio amplifiers | 7W (2x2x1W + 1x3W) | 16 W (2 x 8W) |
| Loudspeakers | 2 x 3W + 1 x 4 W rated power | 2 x 5W (8W max) rated power |
| Connectivity | | |
| USB | 1 x USB 3.0, 1 x USB 2.0, 4 x "Tipro" USB | 4 x USB 3.2, 2 x "Tipro" USB |
| External display | VGA | HDMI (up to 4096 x 2160 x 24bpp@60Hz) and DP (up to 4096 x 2160 x 36bpp@60Hz) |
| TAC (Connection to Tipro Analog Handset) | optional | standard |

More information in Technical Overviews at www.tipro.net on Support and Documents page:

- [BeFREE 10](#)
- [BeFREE 20](#)
- [BeFREE 22](#)

In case of any related questions, please feel free to contact us at sales@tipro.si

Sincerely,
Tipro Marketing & Sales