

UI board, table of features:

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|----------------------|---|
| PCB form factor: | 186mm x 66mm |
| processor: | STM32F76x, optional STM32H743 (144pin LQFP) |
| audio codec: | 2 x WM8731 @ 96KHz (actually firmware supports 48KHz), IQ and audio seperated, (simultaneously TX and RX possible, if RF board supports it) |
| display: | 3.5,, 480x320, supporting more LCDs later |
| LCD interface: | parallel / SPI |
| internal memory: | SPI-Flash (optional), SPI-RAM (optional) |
| external memory: | microSD Card |
| real time clock: | integrated RTC of STM32, CR2032 backup battery |
| LEDs: | 3 |
| external connectors: | Mini-USB Type B, USB-Host (USB-A), 3.5mm microphone and PTT, 3.5mm Stereo analog in, 3.5mm Stereo analog out (speaker independent), 3.5mm Stereo audio uut (headphones) |
| internal connectors: | 30pin pinheader (mCHF compatible) +6pin GPIO, 25pin pinheader (div. GPIOs, SPI, I2C), STLinkV2 compatible connector, debug print, 2 x 4pin internal USB connectors |
| buttons: | 18 independent |
| encoders: | 4, with independent push functions |
| audio output stage: | stereo, 2x3W |

30pin header J1 is downcompatible to [mCHF](#) rf PCB so that you can use OVI40-UI in bundle with mCHF rf (version \leftarrow 0.6). Of course only features which are supported by this rf PCB will be available.

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