

UI board, table of features:

|                      |   |
|----------------------|---|
| 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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