

## DUAL-CHANNEL DIGITAL RECEIVER



Dual-channel digital receiver

### Areas of Application

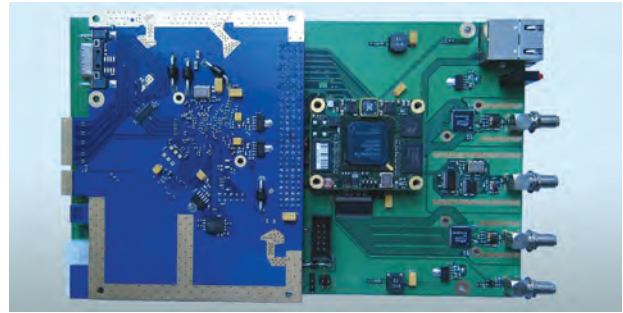
The receiver is designed for digitization and preliminary data processing of wideband analog signals with a high dynamic range in radars, communications, image processing, and in various scientific applications, particularly, in radio telescopes

### Specification

Number of ADC channels	2
Time marker input	1
External/internal clock, MHz	≤ 160
Input signal bandwidth, MHz	180
ADC resolution, bit	16
Data interface	10 Gbit and 1 Gbit Ethernet
Dimensions, mm	220 × 150 × 22
Weight, g	270
Power consumption, W	25
Operating temperature range, °C	0...+70

Stage of Development.  
Suggestions for Commercialization

IRL8, TRL7  
Manufacture, delivery, warranty service,  
and staff training, upon request



DSP board



Receiver integration with the host PC

### Advantages

Both standalone and built-in configurations are available; the device enables autocorrelation and cross-correlation real-time processing of wideband signals with a bandwidth up to 80 MHz; fast receiver mode reprogramming; data synchronization with high precision time sources (like GPS and others); synchronous operation of several receivers in multichannel systems;  $\Phi$ TB raw data saving at a speed up to 640 MB/s

### IPR Protection

IPR1

### Contact Information

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