

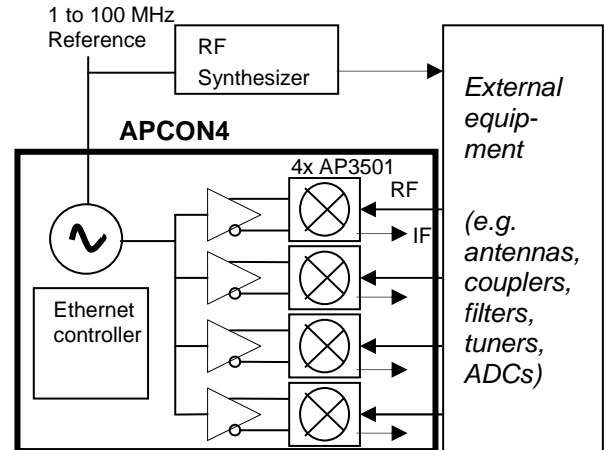
Product Brief

Multi-Channel Sampling Downconverter System **APCON4**

The AnaPico **APCON4** is a multichannel sampling downconverter with a low-noise sub-Hz-resolution local oscillator synthesizer.

It is built in a modular rack and can be supplied with 1 to 4 sampling channels for RF input frequencies up to 35 GHz.

The sampling system is controlled via a LAN (RJ-45) interface and can be locked to an external reference (10 or 100 MHz).



Block Diagram of APCON4
4-Channel Sampling Downconverter

APCON4 in a 19" system rack



Features

- Sampling rates up to 800 MS/s
- Based on AnaPico's AP3501 35 GHz sampler
- Supports any reference frequency from 1 to 100 MHz
- 50 Ω input / output impedance
- Synchronised ADC clock output
- Compact and modular design

Applications

- UWB signal analysis
- Down-sampling receivers
- Vector network analyzers
- Sampling frequency converters