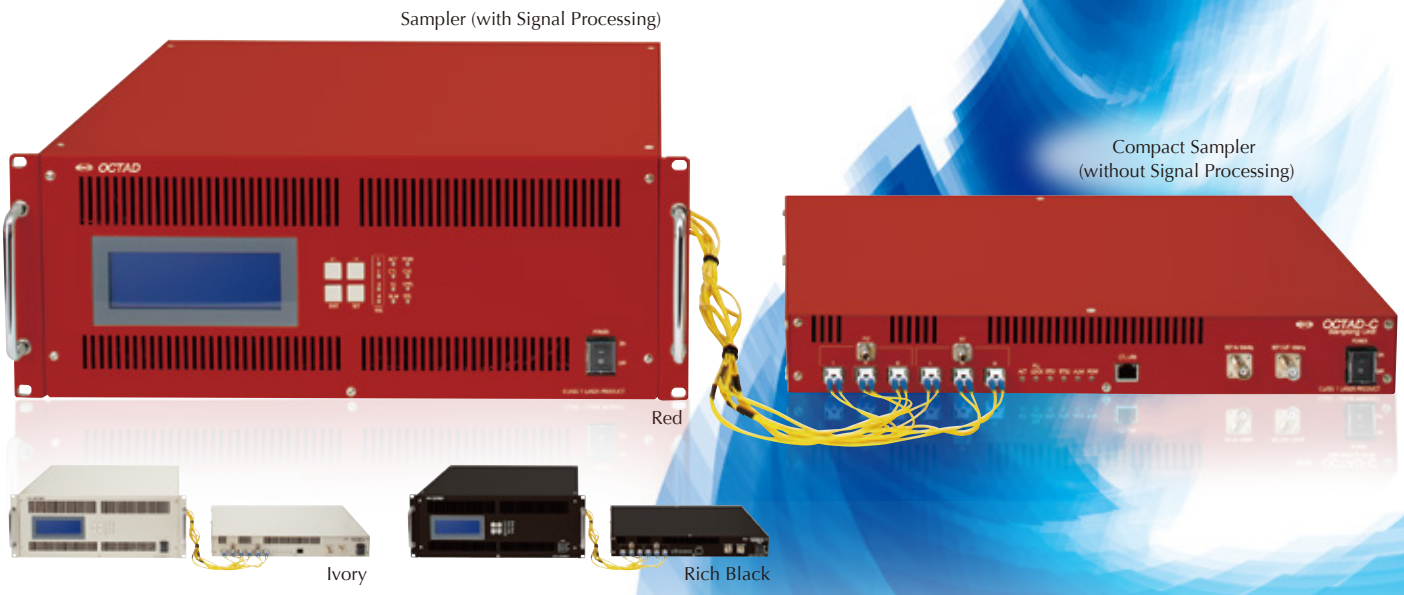
ELECS INDUSTRY CO., LTD.

Digital Signal Processing

GIGA SAMPLER

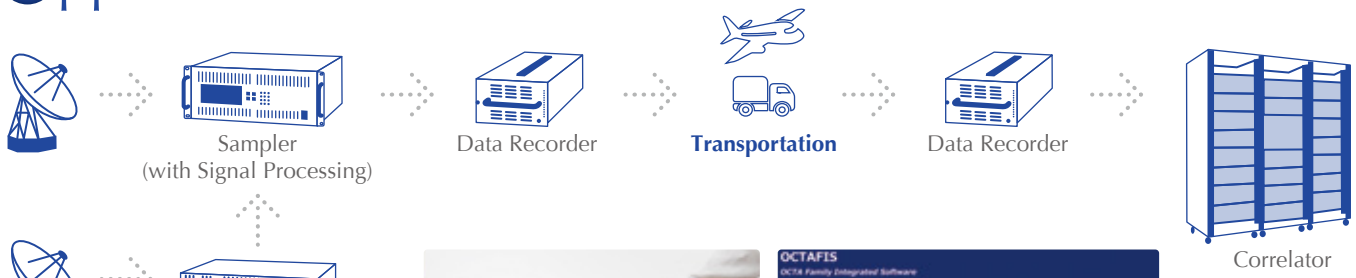
High Speed and Broadband Signal Analysis Solution



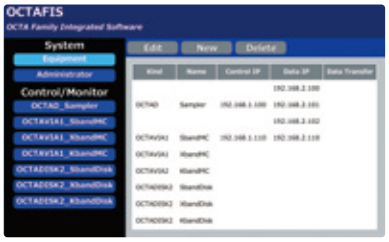
Features

- **Wide variation of sampling module** from 16Gsps x 3bit to 2Gsps x 12bit.
- **Reduce system cost** by RF Direct sampling up to 26GHz. No need of frequency conversion.
- Signal processing for: **fourier transform, frequency conversion, filter, correlator, demodulation** etc.
- FPGA signal processing can **be developed by user**.
- You can **do signal processing** using Compact Sampler by transferring the sampling data via optical fiber to the Sampler with signal processor.
- Optional **Web-base GUI software** made possible the integrative control of signal analysis solution, such as data-recorder and sampler, via Web browser.

Applications



Removable Data Recorder



Web-base Integrated GUI Software

Sampling Module	• 2Gsps×12bit BW18GHz • 4Gsps×10bit BW18GHz • 10Gsps×4bit BW18GHz • 16Gsps×3bit BW26GHz
Signal Processing	• Fourier transform(window function:hanning/blackman/user custom) • Frequency conversion and filter(Digital Baseband Converter) • Correlator(auto/cross/delay compensation/fringe rotation/fractional delay [ΔW])
Data Output	• 1/10/40/100Gbit Ethernet • Compatible with a wide variety of stream protocol
Integrated GUI Software	• Integrated device control such as sampler, data recorder and correlator • Displays recorded data spectrum and quantization bit distribution
General	• Sampler(Signal Processing)4U EIA19inch rack • Sampler(without Signal Processing)1U EIA19inch rack • AC100 to 240V

Integrated GUI Software Data Analysis (option)

Elecs Industry Co., Ltd.
1-22-23 Shinsaku, Takatsu-ku, Kawasaki-City, Kanagawa, Japan
Phone:81-44-854-8281
Contact:Harada ✉harada@elecs.co.jp

www.elecs.co.jp