SIRIUS High Density

Dewesoft brings a new high density version of the well-known and reliable **SIRIUS** hardware. The new version is called SIRIUS-HD (high density) and has the following highlights:

- Each slice has 16 channels
- 200 kS/s/ch sampling rate per slice
- 24 bit A/D converter for each channel

For maximum flexibility, we offer different hardware solutions.

Rack Version

- Rack mount version
- Up to 128 channels (max. sample rate 100kS/s/ch)
- Integrated S-BOX: ultra fast Intel® Core™ i7 processor
- Removable SSD with 180 MB/s write rate
- Perfect GPS timing

Single Slice Version

- Connect via USB to any PC
- Connect several slices via the click mechanism…
- …or use the slices independently on different PCs
- Optionally connect an S-BOX (see below) to the slices via the smart click mechanism

S-BOX (embedded PC) Version

- Robust housing
- Up to 4 SIRIUS slices (64 channels)
- Integrated ultra fast Intel® Core™ i7 processor
- Removable SSD with 180 MB/s write rate
- Perfect GPS timing

High channel count solution
e.g. S-BOX and 128 channels in one rack

NET-Option

For high-channel measurement tasks you can use the DEWESoft™ NET option to combine several devices to one big system of up to 512 channels.

GLAN   Master   Slave 1   Slave 2   Slave n

科尚仪器 KingSci Instruments

SIRIUS-HD SLICE
16 channels

Physical Specifications	
Power Supply	9-36V_{DC}
Max. Power Consumption	30W
Physical Dimensions	265x150x65 [mm]
Operating/Storage Temperature	-20 to 50°C / -40 to 85°C
Humidity (@60°C)	95% RH non-condensing
Synchronization (In/Out)	2 LEMO sync connectors
USB (backside)	1x mini USB 2.0

Technical Specifications	
Sample Rate	200kS/s/ch
Analogue Channels	16 per slice
Clock Accuracy	<50 ppm standalone synchronized to national standards with GPS, IRIG, NTP
Abs. Time Accuracy	IRIG/GPS option < 1µs, NTP available
CAN (only on single slices)	1x DSUB9 for CAN 2.0B, up to 1MBit/s OBDII, J1939, CAN output

SIRIUS-HD STGS16

Features:

- 16 channels for voltage, strain or current
- Voltage range: ±10V, ±1V, ±100mV, ±10mV
- Strain range: ±1000mV to 2mV/V (depending on exc.)
- Programmable sensor and bridge excitation up to 12V
- Internal ½ bridge completion: programmable up to 1kΩ
- Internal ¼ bridge completion: programmable 120/350Ω
- 2 internal shunts and short CAL function
- Bandwith: 70kHz
- SNR: 105dB@±10V range, 10kHz rate
- TEDs support, MSI adapter compatible

SIRIUS RACK8
up to 8 slices

The rugged rack includes an S-BOX and has free slots for up to 8 SIRIUS slices.

S-BOX: backside view

S-BOX features:

- Intel® Core™ i7 2GHz, 4GB RAM
- 128 GB removable SSD
- Windows® 7 Ultimate
- DEWESoft™ Professional
- Interfaces: 6xUSB, GPS (1Hz), GLAN, WLAN, HDMI, VGA, 2x sync
- 9-36V_{DC} power supply
- 70W power consumption
- Operating Temperature: 0 to 50°C
- Storage Temperature: -40 to 85°C

Contact information

科尚仪器 KingSci Instruments

...推动测试创新 创造实在价值

地址：北京市海淀区小营西路27号金领时代大厦12层
电话：136 1171 664；010-5361 2036
传真：010-5635 3026
网站：www.chinaksi.com
电邮：ksi@chinaksi.com