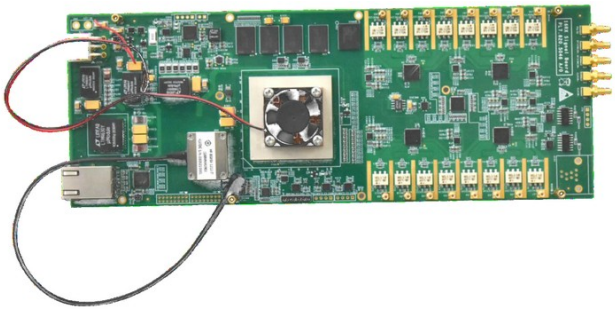
HPORTEK

PRODUCT DATASHEET

SYHS-16CH-S

16-Channel Synchronous Acquisition Card

The SYHS-16CH-S is a 16-channel synchronous IF acquisition card supporting DDC, digital filtering, and optical fiber data transmission.



Features

• User-customizable logic, simple interface

• Comprehensive BIT

• Digital signal preprocessing

Published technical information

Parameter	Specification / typical value
Electrical Performance	
Number of IF Input Channels	16
IF Input Frequency	70MHz
IF Signal Bandwidth	≥20MHz
IF Signal Input Power Range	-41dBm ~ 3dBm
Inter-Channel Phase Consistency	≤4°
Channel Phase Stability	≤0.4°
Sampling Rate	100Msps
Input Clock Frequency	100MHz, differential
Input Clock Level	0 ~ 5dBm
Quantization Bits	≥16bit

Parameter	Specification / typical value
Effective Number of Bits	≥12 bits
Transfer Rate	≥10Gbps
General	
Dimensions (L×W)	270mm×99mm
Supply & Power Requirements	12V，≤100W
Operating Temperature	-20℃ ~ +55℃
Operating Humidity	5% ~ 95%

Prepared from the existing product catalogue. Specifications may change; typical values are not guaranteed limits. Confirm operating conditions, interfaces and ordering configuration with engineering. This document does not replace the equipment operating manual.

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https://www.hportek.com/en/product/high-speed-acquisition-board-syhs-16ch-s/