SPECTRA7
ACTIVE COPPER CABLE TECHNOLOGY

- Embedded Analog Linear Equalization
- Ultra Low Power, Lowest Cost
- Compensates for Channel Impairments
- Longest Reach, Thinnest Gauge
- Any Protocol (NRZ and PAM-4) / All Form Factors

SFP
(28G / 56G)

QSFP/uQSFP
(100G / 200G)

QSFP-DD
(400G)

OSFP
(400G)

Spectra7’s innovative technology enables active copper cables to extend 2-3 times the length of passive cables.

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ACTIVE COPPER CABLE TECHNOLOGY

100/200/400Gbps ▼ Lengths up to 10m
NRZ and PAM ▼ Lower cost than AOC
Up to 90% less power than optics

GaugeChanger™ by Spectra7

Designing the future of data center interconnects.
FLEXIBILITY, ULTRA-LOW POWER

Add flexibility to your data center today without the power consumption and cost of fiber.

COST SAVINGS

By using copper as medium for next generation speeds, system interconnects cost is reduced. Furthermore, lower power consumption translates to millions of dollars per year in electrical savings.

Spectra7 ACC enables cost savings in both CapEx and OpEx to provide lowest Total Cost of Ownership.

GC2502 DATA CENTER CABLE PROCESSOR

- Dual Channel Equalization
- Supports line rates up to 28Gbaud
- Equalizes channel response beyond 14GHz
- Wideband equalization handles 64b/66b and 128b/130b coded data
  - Works with PAM-4 signals for 56Gbps
  - FEC Compatible
- Compact Package
- 38-ball CSP, 2.7mm x 4.2mm
  - Dual channel package ideal for top/bottom routing on QSFP+, uQSFP, QSFP-DD, OSFP, SFP+, SFP-DD modules

Spectra7 offers proven module reference designs to enable quick market ACC assemblies.