

# AIPC

Amphenol Interconnect Products Corp.

## 4X Active

Amphenol High Speed Active Assemblies are ultra-high performance, cost-effective I/O solutions for gigabit speed applications in data and switched fabric I/O, switches, routers, and computer clusters. They utilize up to 5 Gb/s wire speed connections with four channels. Amphenol's Active Assemblies exceed InfiniBand standards requirements and have been qualified to perform in Double Data Rate (DDR) InfiniBand and 10GBASE-CX4 applications. Our active assemblies are cost effective and provide lower EMI when compared to media converters.

### Interface

- SFF-8470 4x MicroGigaCN™

### Cable Options

- 8-pair 30 AWG through 24 AWG
- Amphenol Spectra-Strip SkewClear®
  - Performance proven to 18m
- Amphenol Spectra-Strip SkewClear® EXD
  - Performance proven to 23m

### Key Features

- Data rate per channel of 5Gb/s (20Gb/s aggregate)
- Extended cable distances up to 23m
- Low Power consumption 150mW per channel
- Low crosstalk & low deterministic jitter
- 12dB Loss Compensation on Transmit Side
- 13dB Loss Compensation on the Receiver Side
- Channel Squelch on loss of signal (LOS)
- Operating Temperature -40C to 85C

### Applications

- InfiniBand Double Data Rate (DDR) 4x Applications
- InfiniBand Single Data Rate (SDR) 4x applications
- 10GBASE-CX4 Applications
- Enterprise Data Center
- Grid Computing
- High Performance Computing (HPC) & Storage

## InfiniBand/CX4

### Copper Assemblies



Cable Type	30AWG	26AWG	24AWG
EXD (max length)	13m	20m	23m
Standard (max length)	10m	15m	18m



InfiniBand products  
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# 4X Active Connector Signal Assignment

