AudioRail application example: Being deployed in live sound reinforcement

Analog inputs from sources, outputs to amps/monitors

| XLR mic./line in | XLR mic/line in | Line outputs | Line inputs | Line outputs |

PreSonus
DigiMAX LT

Behringer
ADA8000 **$ 200**

Alesis
AI3

Alesis
ADAT
Lightpipe

Essentially just a 100K-gate
FPGA, optical, and Ethernet
transceiver interfaces →

AudioRail
(ADAT Lightpipe version) **$ 500**

unused

unused

- Up to 64 channels total
- 32 each direction
- 44.1K/48K, 24 bits/chan.
- (96K @half the channels)
- no MAC, no DSP, no uP,
  no SW, no FW, no BIOS, no PC
- no measurable degradation, as
  compared to lightpipe direct connection

$ 0.06/ft

Cat. 5   (up to
"LAN"   100
cable   meters)

Approx. 5
micro-seconds
latency
each way

unused

Essentially just a 100K-gate
FPGA, optical, and Ethernet
transceiver interfaces →

AudioRail
(ADAT Lightpipe version) **$ 500**

unused

Alesis
ADAT
Lightpipe

8   6

ADT1616
expansion
$ 150

ADT1616
expansion
$ 150

Local
analog

Behringer DDX3216
digital mixing console
$ 1000