

# LC 1000A Series

## Active Broadband Combiners



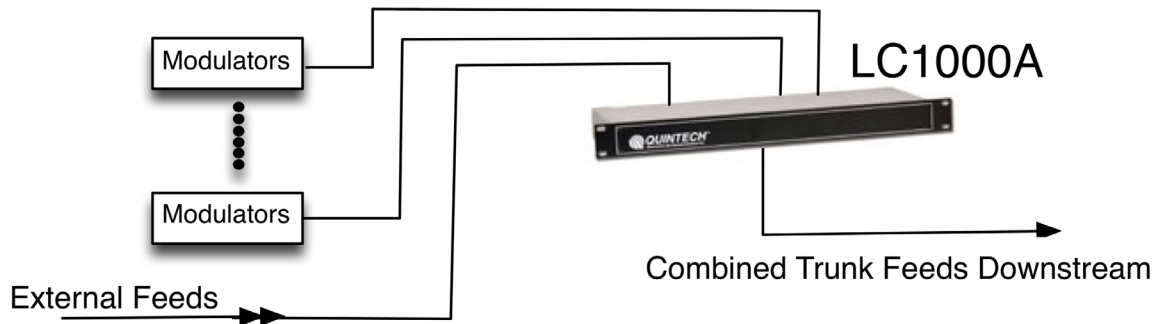
**LC64 1000A**  
64-way Active Broadband Combiner

### General Description:

The **LC 1000A** series is a commercial quality line of (5-1000 MHz) active broadband RF combiners that meet strict level, match, and loss specifications achieved through the use of Quitech's proprietary technology. Custom configurations available.

### Features & Benefits:

- Convenient, centralized rack mount designs improve cable management
- Microstrip design provides better performance and reliability
- Larger configurations eliminate cascading for better performance
- Active (zero loss) combiners allow for ease in RF design
- Greatly improves cable management by allowing for easy access to cable routing and identification of cables
- Reduces cable connector failures by eliminating the need for frequent manual connects/disconnects



Specifications:*	LC16 1000A	LC32 1000A	LC64 1000A
<b>Configurations:</b>	16x1	32x1	64x1
<b>RF Connectors:</b>	F-Type, BNC 75Ω	F-Type, BNC 75Ω	F-Type, BNC 75Ω
<b>Impedance:</b>	75 Ω, 50 Ω	75 Ω, 50 Ω	75 Ω, 50 Ω
<b>Operating Frequency:</b>	5-1000 MHz	5-1000 MHz	5-1000 MHz
<b>Frequency Response:</b>	± 2.5 dB	± 2.5 dB	± 2.5 dB
<b>P1dB:</b>	+8 dBm Each Input	+1 dBm Each Input (Single Carrier Equivalent)	-2.0 dBm Each Input
<b>Input Return Loss:</b>	14 dB	12 dB	17 dB
<b>Output Return Loss:</b>	7 dB	12 dB	12 dB
<b>Insertion Loss:</b>	0 ± 2 dB @ 500 MHz	0 ± 2 dB @ 500 MHz	0 ± 2 dB @ 500 MHz
<b>Isolation:</b>	16 dB	16 dB	20 dB
<b>Power Requirements:</b>	18-24 VDC Via 2-Pin Quick Connect Barrier Strip	18-24 VDC Via 2-Pin Quick Connect Barrier Strip	18-24 VDC Via 2-Pin Quick Connect Barrier Strip
<b>Power Consumption:</b>	14 W	17 W	24 W
<b>Size:</b>	1 RU: 1.75" H x 19" W x 6.5" D	2 RU: 3.5" H x 19" W x 14" D	3 RU: 5.25" H x 19" W x 20" D

\*Specifications may vary with connector type. See individual specification sheet for specific performance data. Call for additional configuration or powering. AC adapter sold separately