



CHC16U

Series

550/860MHz Active Headend Combiner



- ▶ **Broadband 82 and 135-Channel Range 54-550MHz (CATV 2-78, 95-99) and 54-860 MHz (CATV 2-135)**
- ▶ **Accommodates any combination of 16 digital and/or analog signal inputs for maximum system flexibility**
- ▶ **Adjustable hybrid push-pull amplifier compensates for losses associated with passive combining networks thereby improving carrier-to-noise and harmonic distortion**
- ▶ **Accommodates modulators and processors with lower outputs, thereby reducing costs for additional signal conditioning**
- ▶ **Directional coupler design and low insertion loss provide improved carrier-to-noise, system performance and picture quality**
- ▶ **High -30dB port-to-port isolation provides spurious carrier protection and minimizes undesired channel interaction, reducing picture distortion**
- ▶ **-30 dB test port provides convenient access for headend testing and system monitoring**
- ▶ **Auxiliary AC outlet for convenience**

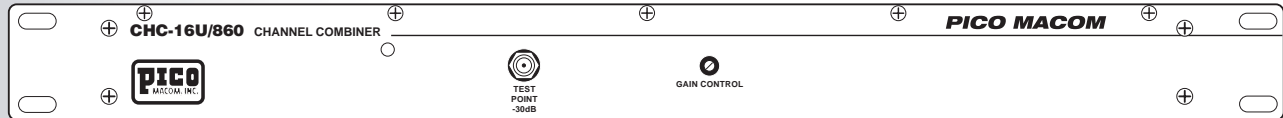
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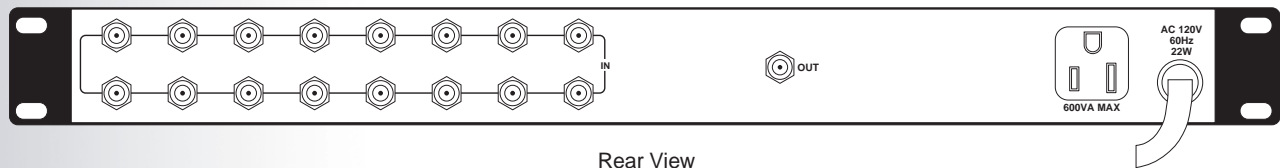
The Pico Macom CHC16U Series are professional re-broadcast grade quality high-isolation 16-channel active headend combiners available in 82-Channel (54-550 MHz) and 135-Channel (54-860 MHz) frequency bandwidths. These units are designed to combine up to 16 input channels into a common broadband output. The CHC16U Series features a front-panel-adjustable hybrid push-pull amplifier to compensate for the combiner's insertion losses and drive the cable system directly. The high quality directional coupler design provides high isolation between input ports, ensuring minimal interaction between the digital and/or analog input sources. Additionally, the units' high isolation and built-in gain maximize carrier-to-noise ratio and overall picture quality. Pico Macom backs up these products with its industry leading 5-year limited warranty.

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Front View



Rear View

Specifications

Channels:	CHC16U550	83 Channel (2-78, 95-99)
	CHC16U860	135 Channel (2-135)
Frequency Range:	CHC16U550	54-550 MHz
	CHC16U860	54-860 MHz
Gain:		6-12 dB adjustable
Port-to-Port Isolation:		-30 dB Minimum
Maximum Input Level:		42 dBmV
Input Return Loss:		16 dB
Output Return Loss:		16 dB
Impedance:		75 Ohms
Power Input:		115 VAC, 60Hz, 3 W
Operating Temperature:		-10° C to 50° C
Dimension:		19"(L) x 3"(D) x 1 3/4"(H)
Weight:		4.1 lbs.

Ordering Information

CHC16U/550	550 MHz
CHC16U/860	860 MHz