

Key Features

- Wide working Frequency Range 48-1002/1218 MHz
- Compact and fully modular design occupy only 1RU Rack space
- Flexibility of Modular design simplified upgrade and modification
- Configurable up to 8 Outputs
- Excellent Frequency Response Flatness of Output Signal
- Isolation between Inputs more than 70dB
- Load Sharing Redundant Power Supplies
- Custom designs are welcome

The new ACF-104 device is Forward Path Active Combiner are designed for typical usage within headend and hub site environments. Devices are built within a standard 19" EIA rack, are compact, and modular while using only 1 rack units of space. The system provides an ultra-flat RF output signal for distribution to optical transport. It is an extremely reliable and cost effective platform and has a very flexible feature set required for today's modern cable TV networks.

New Combiner designed for applications where are high Isolation between Inputs is necessary to avoid cross talking and additional signal modulation effects.

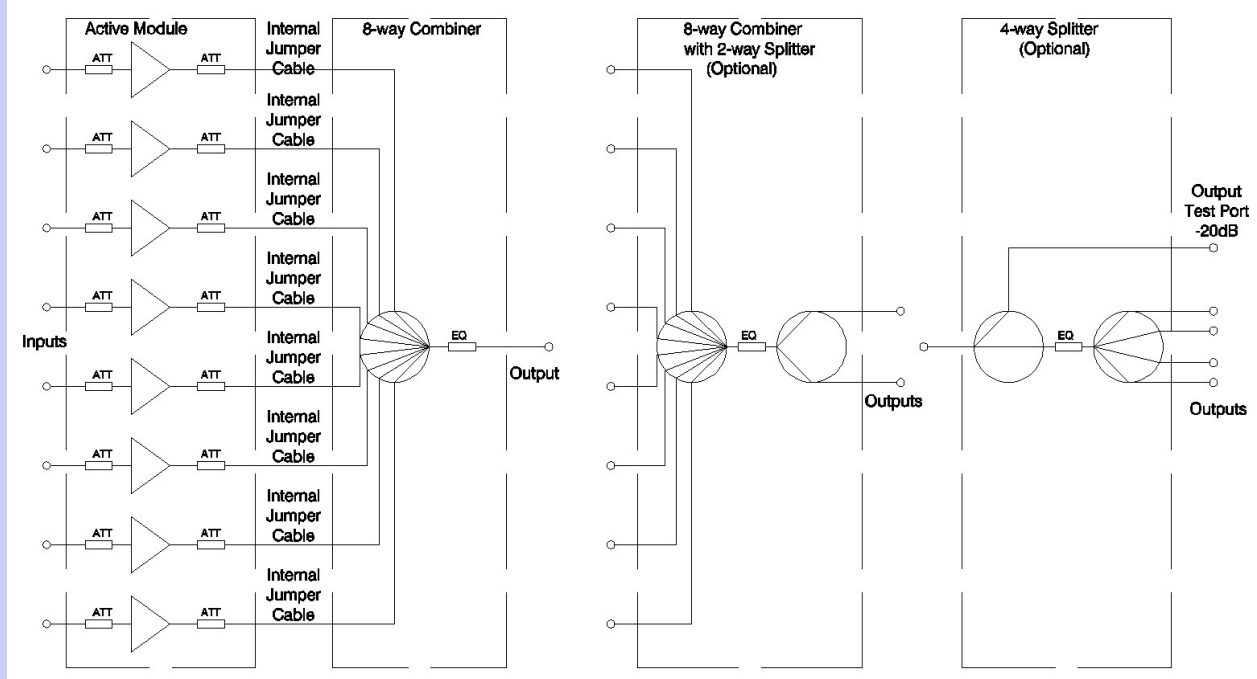
As an integrated system solution, the units significantly reduce external cabling. A flexible feature set allows for moves, adds, and changes as the cable network evolves; ready to solve the challenge of complex RF combining and splitting schemes.

Unit offered with different options of input and output sections, as well as a choice of universal 90-260VAC or a negative -48VDC Power Supplies.

The 1RU Chassis can support un to 8 Inputs and configurable from 1 to 8 Outputs with offered optional modules.

Models include a standard feature for contact closure pin out alarms which will monitor the status of Power Supplies.

Please contact us for additional technical support or product information.

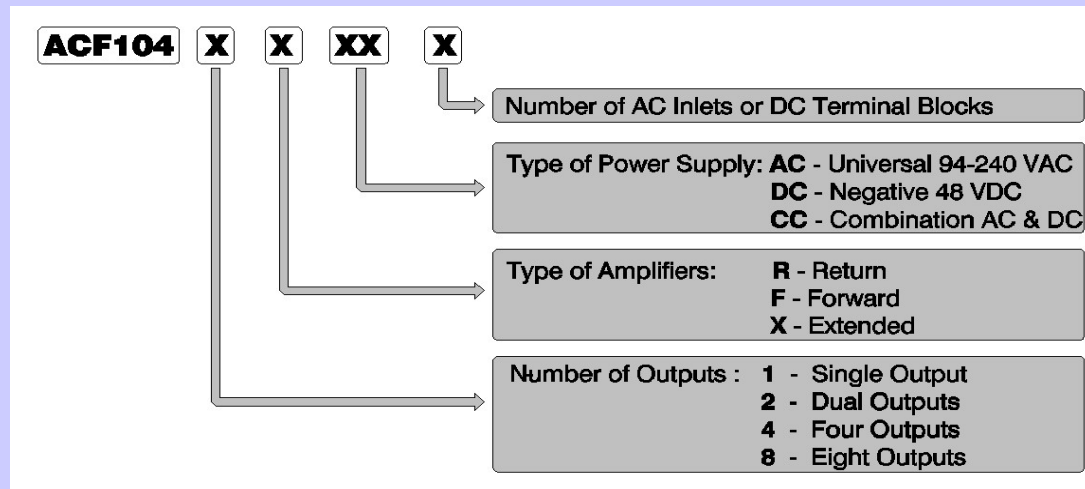


The ACF-104 block diagram

Technical Specifications:

<i>Parameters</i>	<i>Units</i>	<i>Spec</i>
Bandwidth	MHz	48 - 1002/1218
Number of Inputs		8
Number of Outputs		1, 2 or 4
Insertion Loss Input - Output (for 1 Output)	dB	14.0±0.5
Gain Flatness	dB	±0.5
Return Loss all Ports, min	dB	20
Isolation between Inputs, min	dB	70
Isolation between Outputs, min (from 2 to 8 Outputs)	dB	30
Nominal Input Signal Level (1 NTSC Channel)	dBmV	42
Nominal Output Signal Level (1 NTSC Channel)	dBmV	24
C/N Ratio	dB	78
RFI	dB	110
Control Output (DB-15)		NC Contact each active part
Powering:		
Universal	VAC	95-240/50-60Hz
Negative	VDC	-48
Dimensions	mm	44.5x483x356
Weight	kg	3.5

Ordering Information

*Part Number Example:*

"ACF104"

"2"

"F"

"AC"

"2"

ACF104-2-F-AC-2:

ACF-104 device

Dual Output

Forward

Universal Power Supplies - 2 pcs

Two AC power Inlets