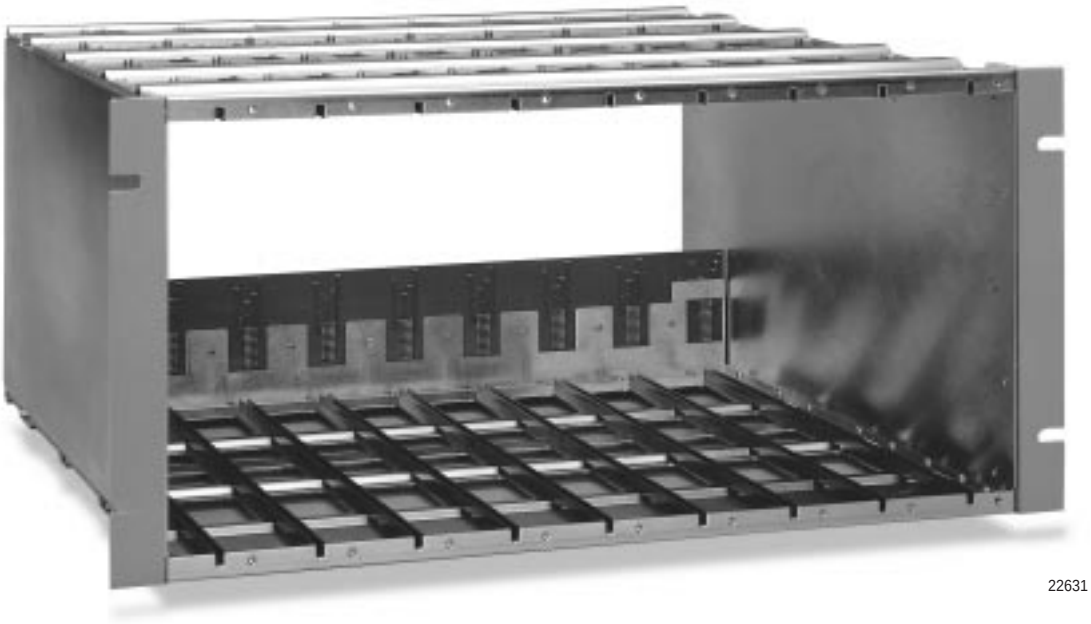
Headend Systems

Continuum™ Headend System
Model 9800/9806 Chassis



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INTRODUCTION

The Continuum™ Headend System products provide users with a vertically-oriented, compact, full featured ensemble of headend functions. The highest performing headend products available—regardless of size or packaging style—are supported by this product family. Users can configure their applications for the highest reliability by using integrated automatic back-up controls and Plug and Play modules.

DESCRIPTION

The compact Continuum Headend System chassis is 5 RU in height, and mounts in all standard EIA racks. The Continuum Chassis creates a platform for a variety of headend functions such as modulation, demodulation, encoding monitoring and control.

A chassis houses one controller and up to eight application modules. Numerous types of application modules are available, and different types can co-exist within the same chassis. All modules are field installable and replaceable. The Continuum Headend System application modules support all NTSC and PAL video and audio formats.

FEATURES

- Chassis design enables plug and play operation
- Supports automatic back-up application modules
- Vertical module orientation
- Front loaded application modules
- Rear loaded interface modules

TECHNICAL DETAILS

Slot Configurability

Each chassis slot acquires a unique identity when a rear interface module and its corresponding application module is installed.

Controller Types and Options

A chassis must contain only one controller module. The controller module must reside in the left-most slot (slot Ø) in the chassis. Upgradeable controllers support analog and digital applications.

Automatic Back-up

The controller initiates and maintains command over back-up signal routing in the event of an application module malfunction. Continuous communication between the controller module and its application modules maintains up-to-the-second system status. Extensive internal diagnostics within application modules, in coordination with controller communication, speeds signal re-routing to a designated back-up module.

Plug and Play

The chassis design enables the controller module and all application modules to be changed while maintaining power and input signals. This can be accomplished due to the bus located within the chassis. "Soft start" application module power supplies ensure a controlled power-up sequence. Continuous communication between the controller module and application modules maintain system integrity.

Vertical Design

The vertical module orientation supported by the Continuum Headend System chassis provides improved thermal management when compared to horizontally oriented products. Vertical orientation reduces heat gradients via improved air flow in rack mounted configurations.

SPECIFICATIONS

Height: 5 RU (8.75 inches, 222.25 mm)
Width: Model 9800 19.00 in. (482.60 mm)
Model 9806 23.00 in. (584.20 mm)
Depth: 18.38 inches (466.85 mm)
Weight: 17.0 lbs (37.4 kilograms)
Material: Cold rolled steel
Shipping weight: 21.0 lbs

ORDERING INFORMATION

Options	Models	
	9800 (19 in.)	9806 (23 in.)
Standard	P/N 546000	P/N 565413
- B (Black)	P/N 565410	P/N 565414
- M (Mid Mount Std)	P/N 565411	P/N 565415
- M - B (Mid Mount Blk)	P/N 565412	P/N 565416

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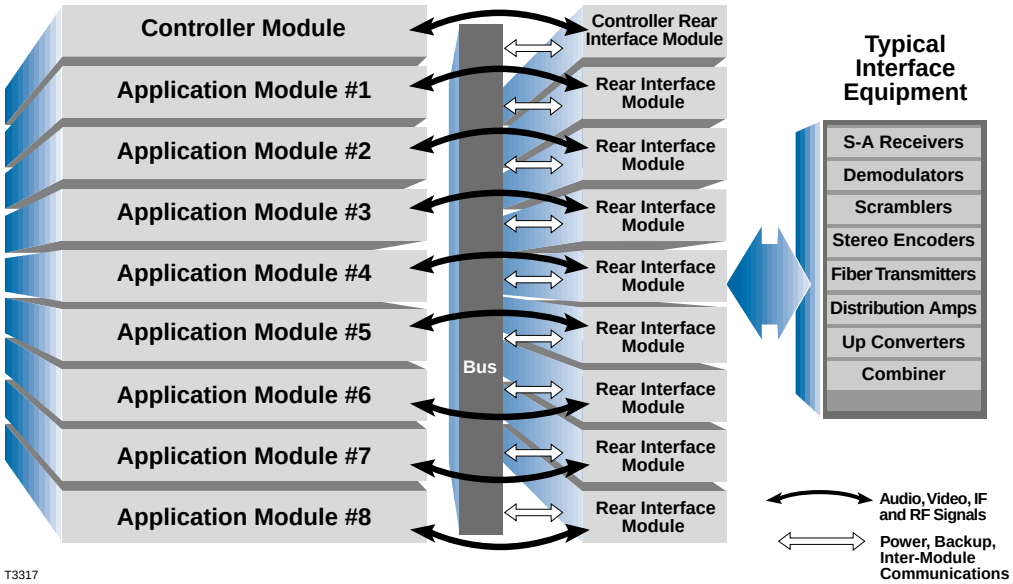
Signal Flow Diagram



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