

FEATURES

- 3RU stackable 19" chassis without spacer requirement
- Mid-plane design allows module installation in front, rear, or both
- All slots are identical: any module can be installed in any slot for easy configuration
- Dynamic back plates for toolless hot swapping with plug and play operation
- Up to 14 active full-depth modules with single 90-240 Vac or -48 Vdc power supply
- Up to 32 passive half-depth modules (unpowered chassis)
- Supports remote SNMP management
- Fiber management and routing accessories available

The CH3000 is CommScope's advanced mid-plane, 3RU chassis design, which offers the network operator a platform featuring maximum flexibility, high packaging density, and simplicity of operation. The CH3000 is ideal for all types of optical networks, single wavelength, CWDM or DWDM, and for both Analog and Digital transmission techniques.

The CH3000 incorporates the unique combination of two patented design features, the mid-plane platform concept and dynamic back plates on all active modules. The mid-plane provides the DC power bus, the universal communications bus (supporting local and remote SNMP management) and facilitates the installation of modules from either the front or the rear of the chassis. Dynamic back plates simplify pre-wiring of the chassis; module replacement can be accomplished from the front of the chassis without disconnecting/reconnecting cables at the back of the chassis. The combination of mid-plane platform design and the dynamic back plate feature on all active modules makes the CH3000 the industry's most flexible, configurable and future-proof platform for traditional HFC, passive HFC, and fiber-to-the-home (FTTH) networks.



The CH3000 also features a very high packaging density design accommodating a wide variety of both active and passive modules. Modules, depending on function performed, are either half platform depth or full platform depth and single or dual width. The CH3000 accepts up to 32 half-depth passive modules or 14 full-depth active modules and a power supply module or configurations combining the use of both full-depth and half-depth modules. The high packaging density and configuration flexibility make the CH3000 ideal for both headend and hub applications where rack space is at a premium.

The CH3000 is available in two configurations: Model CH3000C with top and bottom covers and Model CH3000N without the top and bottom covers. An optional fiber management adapter and fiber routing shelf accessories are also available.

CommScope products and solutions can help cable operators attain new subscriber revenue and higher average revenue per subscriber without major CAPEX. Cable operators can seamlessly and easily stay in line with future goals, add new services, and strongly position against the competition.

SPECIFICATIONS

Characteristics	Specification
Physical	
Dimensions	13.3" D x 5.22" H x 19.0" W (3RU) (34 cm x 13.5 cm x 48.5 cm)
Weight	CH3000N: 9.6 lbs (4.5 kg) Chassis without covers CH3000C: 15.6 lbs (7 kg) Chassis with top and bottom covers
Slot Configuration	16 full-depth slots 32 half-depth slots (16 front-loaded and 16 rear-loaded)
General	All slots are identical (no specific slot allocation) Supports any combinations of modules
Environmental	
Operating Temperature Range	-20° to +65°C (-4° to 149°F)
Storage Temperature Range	-40° to +85°C (-40°F to +185°F)
Humidity	5% to 95% non-condensing
Electrical	
	32 mid-plane electrical interconnects (16 front and 16 rear), providing contacts for chassis alarm, slot address, RS-485 communication, and 12 V _{DC} power bus
	Supports hot plug-in of modules

ORDERING INFORMATION

Model Name	Description
CH3000C	3RU Advanced Mid-plane Chassis with top and bottom covers
CH3000N	3RU Advanced Mid-plane Chassis without covers



CH3000C



CH3000N

RELATED PRODUCTS

Optical Transmitters	Optical Passives
Digital Return	Optical Patch Cords
BP Back Plates	Installation Services



Note: Specifications are subject to change without notice.

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