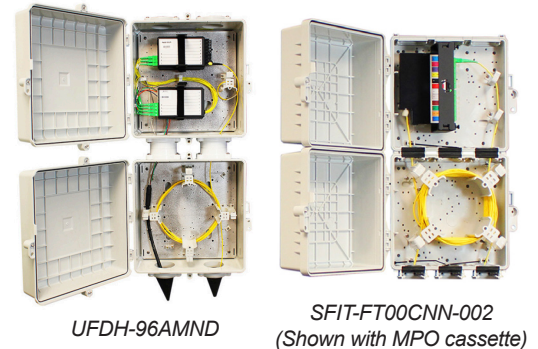


Density-Optimized Hubs Splitters and Terminals



Features & Benefits

- Compact, high density fiber distribution hub for indoor and outdoor use
- Expandable from 96 to 576 fiber capacity (holds up to 10 splitter modules)
- Standard 1x32 (or 1x64 cascaded 1x2 feeding 1x32) split ratio
- Lightweight design for easy pole or wall mounting
- SFIT stackable terminals and SC Breakout Modules enable future growth
- Slack Storage in the lower enclosures
- Cable ports equipped with easy-to-use rubber grommets
- Cable assemblies are non-pinned MPO-MPO with pulling eyes and cable socks on each end



Overview

The Density Optimized Fiber Distribution System offers field expandability with fast and easy fiber terminations to manage fiber services to customers. The hub provides high fiber count in a compact footprint, supporting up to 576 users with six 96-fiber splitter modules. Pre-terminated MPO cable assemblies simplify the connections to the SFIT stackable terminals. The primary splitter module contains three 1x32 PLC splitters, with three SC-APC inputs and eight 12-fiber MPO outputs.

Each MPO output drives a 12-fiber cable that runs to a 12port fanout cassette in an SFIT terminal. The SFIT stackable terminals hold 1 to 3 plug-and-play fanout cassettes (eliminating the need for splicing at the IDF locations). Additional splitter modules can be added to the Hub to expand services as the customer take rate increases. A quad 1x2 splitter module with four 1x2 PLC splitters is available to cascade inputs into each 3x96 splitter module for a 1:64 network design.

The pre-terminated MPO Cable Assemblies have 12-fiber non-pinned MPO connectors and pulling eyes and protective socks at each end. The cable is 12-fiber indoor/outdoor LSZH/OFNR riser-rated, 5mm all-dielectric. Each cable connects one output of the 3 x 96 Splitter Module in the hub to one 12port Fanout Cassette in the SFIT terminal.

Technical Data

Enclosures

Dimensions (HxWxD)	Materials	Safety	Finish	Performance
UFHD-xxAMND 30 in x 14 in x 8 in	UL 94V-0 (indoor) and UL 94-5VA (outdoor) light gray flame retardant PBT/PC blend	UL1863	Light Gray	Designed to meet GR-049-CORE, GR-2898-CORE & GR-3125-CORE
SFIT-FLxxxxxxx 9 in x 10 in x 5 in				
SFIT-FTxxxxxxx 18 in x 10 in x 5 in				

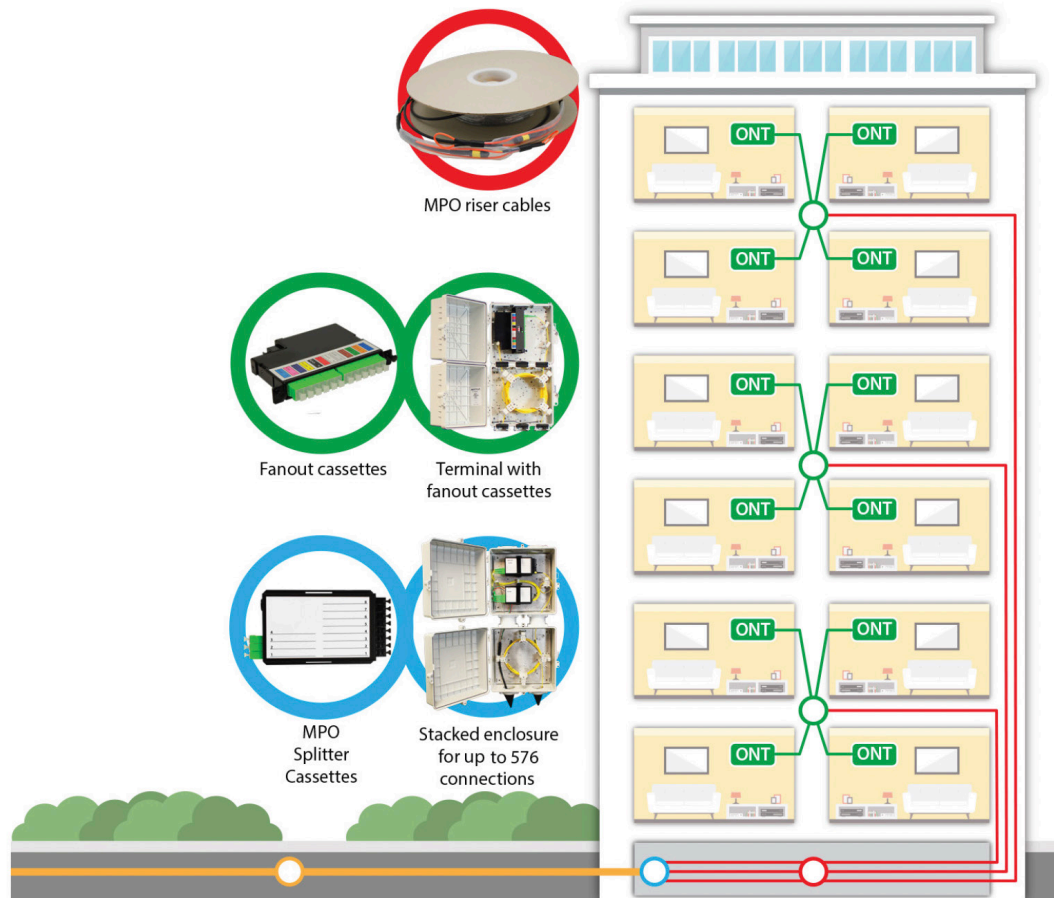
Density-Optimized Hubs Splitters and Terminals



Technical Data

Optical Performance

Parameters	Quad 1x2	Triple 1x32	12F Cable Assembly	SCM-12ACM2N	SCM-12UCM2N
Operating Wavelength	1260 nm~1650 nm				
Insertion Loss Max	4.6 dB	17.6 dB	0.35 dB	0.35 dB	0.35 dB
Return Loss Min	55 dB	55 dB	65 dB	55 dB	55 dB
Uniformity Max	0.7 dB	1.7 dB			
PDL Max	0.3 dB	0.4 dB			
WDL	0.4 dB	0.5 dB			
Directivity Min	55 dB	55 dB			
Operating Temp	-30 °C to 70 °C (-22 °F to 158 °F)				
Performance	Designed to meet the requirements of GR-1209-CORE and GR-1221-CORE				



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Density-Optimized Hubs Splitters and Terminals



Ordering Information

Part Number	Description
UFDH-96AMND	Fiber Hub 96F with one SFSM-C396AMA Splitter Module, slack storage, two 1.2-inch Closed Cap ports and two Rubber Cone Grommet ports. SC-APC inputs; 12F MPO outputs
UFDH-192AMND-2	Fiber Hub 192F with two SFSM-C396AMA Splitter Modules, slack storage, two 1.2-inch Closed Cap ports and two Rubber Cone Grommet ports. SC-APC inputs; 12F MPO outputs.
UFDH-192AMND	Fiber Hub 192F with one SFSM-C412AAA and two SFSM-C396AMA Splitter Modules for 1x64 cascaded split ratio, slack storage, two 1.2-inch Closed Cap ports and two Rubber Cone Grommet ports. SC-APC inputs; 12F MPO outputs.
UFDH-288AMND	Fiber Hub 288F with one SFSM-C412AAA and three SFSM-C396AMA Splitter Modules for 1x64 cascaded split ratio, slack storage, two 1.2-inch Closed Cap ports and two Rubber Cone Grommet ports. SC-APC inputs; 12F MPO outputs.
SFSM-C396AMA	Splitter Module, 3x(1x32) SC-APC, three SC-APC inputs, eight 12F MPO pinned outputs
SFSM-C412AAA	Splitter Module, 4x(1x2) SC-APC, four SC-APC inputs, eight 1F SC-APC outputs 0.5 meter (use as 1x32 inputs to create 1x64 split ratios)
SFIT-FT00CNN-001	SFIT Patch Only Enclosure for 1-3 SCM-12xM2N MPO fanout modules with tall slack storage, 24-port F1 nozzle and 24-port F2 nozzle
SFIT-FT00CNN-002	SFIT Patch Only Enclosure for 1-3 SCM-12xM2N MPO fanout modules with tall slack storage, flat rubber grommets
SCM-12ACM2N (APC)	MPO Fanout Module, twelve SC adapters, single 12F MPO male pinned connector (1-3 per SFIT MPO Enclosure)
SCM-12UCM2N (UPC)	MPO Fanout Module, twelve SC adapters, single 12F MPO male pinned connector (1-3 per SFIT MPO Enclosure)
SFIT-FL00CNN-002	SFIT Expansion Enclosure for 1-3 SCM-12xM2N MPO fanout cassette modules with flat rubber grommets and double-stack rubber grommets (can add onto existing SFIT enclosures)
AU12-E-PF/PF-100-R	100ft MPO-MPO Cable Assembly
AU12-E-PF/PF-200-R	200ft MPO-MPO Cable Assembly
AU12-E-PF/PF-300-R	300ft MPO-MPO Cable Assembly
AU12-E-PF/PF-400-R	400ft MPO-MPO Cable Assembly
AU12-E-PF/PF-500-R	500ft MPO-MPO Cable Assembly
AU12-E-PF/PF-600-R	600ft MPO-MPO Cable Assembly
AU12-E-PF/PF-700-R	700ft MPO-MPO Cable Assembly
AU12-E-PF/PF-800-R	800ft MPO-MPO Cable Assembly
AU12-E-PF/PF-900-R	900ft MPO-MPO Cable Assembly
AU12-E-PF/PF-1000	1000ft MPO-MPO Cable Assembly

