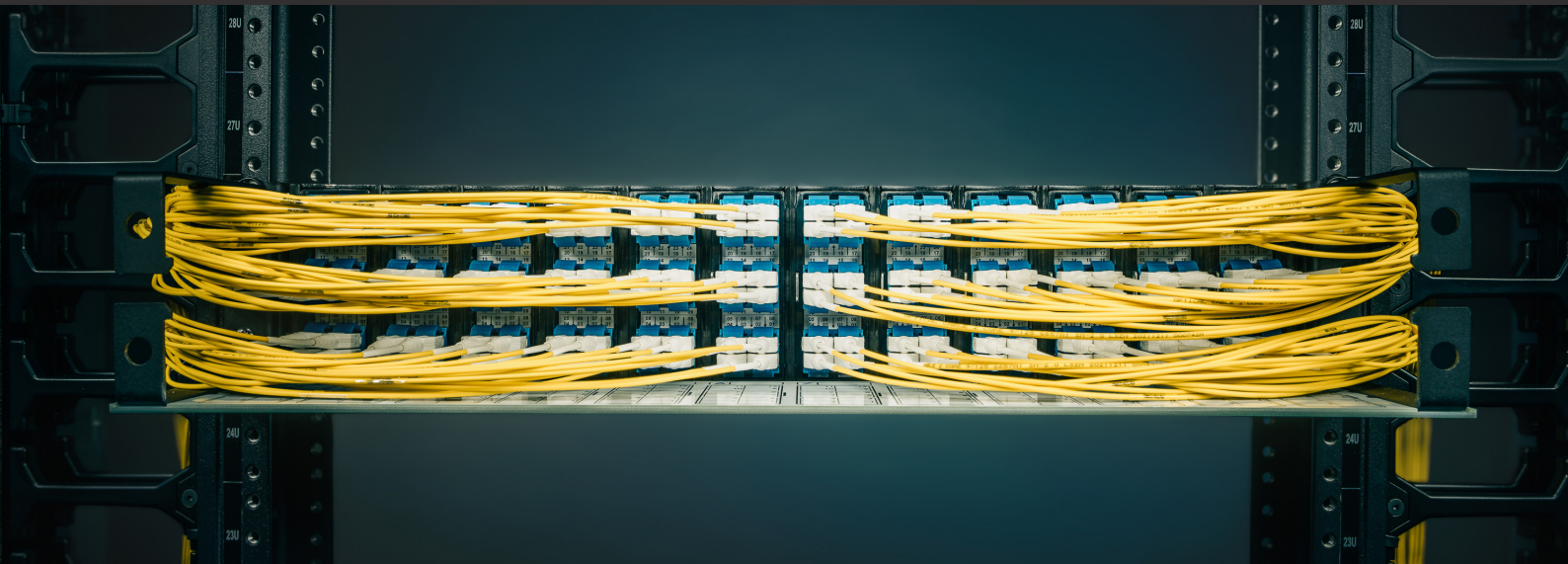


Zettonics^{TEN²¹}

Modular Optical Infrastructure



Zettonics TEN²¹ fibre management solution to revolutionise your optical infrastructure

Designed to benefit you:

- Commercially designed - include the features you require
- Modular & scalable, designed for flexibility
- Ease of installation & patching, minimising disturbance
- Designed for flexibility
- Standards compliant
- Base 8 compatible
- Fast lead times
- Competitive pricing
- Rapid UK design & prototyping, manufacturing & assembly

Offering the following features:

- Fully modular
- Front & rear loading cassettes
- Cassettes lock securely into place
- Suitable for widest possible range of applications
- Choice of adaptors
- Retrofit front & rear cable management
- Configured around 8 fibre (2 x quad LC) offering Base 8 cabling migration path and compatibility



1U Chassis - 120 LC fibres



The 1U chassis, mountable in 19-in racks (other mounts available) provides user-friendly and flexible connectivity when combined with cassettes, harnesses, trunks and patch cords. The simple design allows 5 cassettes to be loaded from either the front or rear with easy, fast and secure latching.



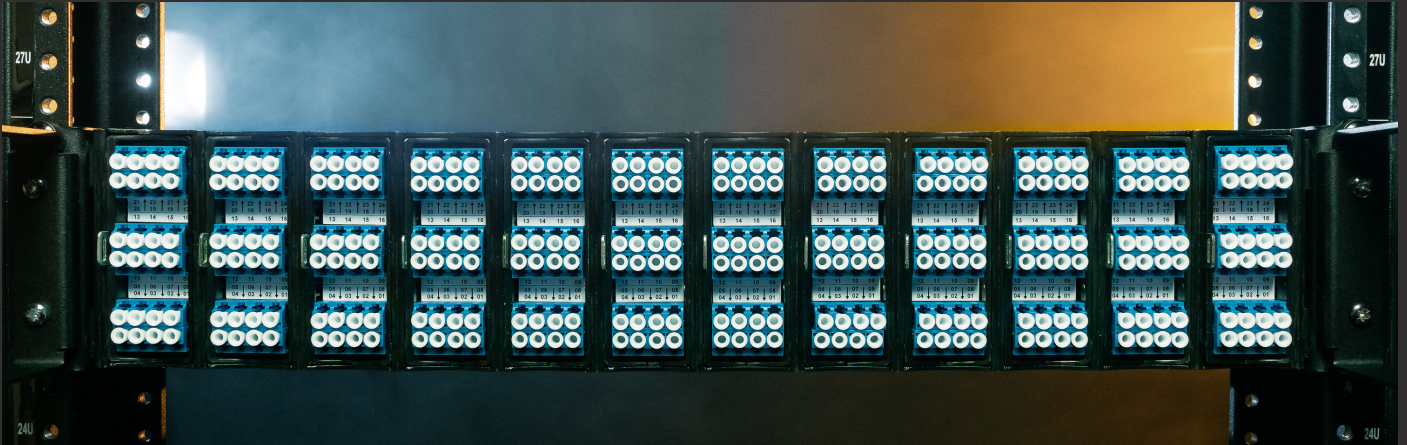
Industry-standard connectivity. Operators and installers benefit from innovative push-pull design for easy cassette loading and unloading.



Optional, easy retrofit, front and rear cable management.



2U Chassis - 288 LC fibres



2U chassis can accept up to 12 modules offering 288 fibres (144 per 1U) on a standard LC quad adaptor.



Sharing many of the same components of the 1U chassis, the 2U chassis is designed for high density applications.

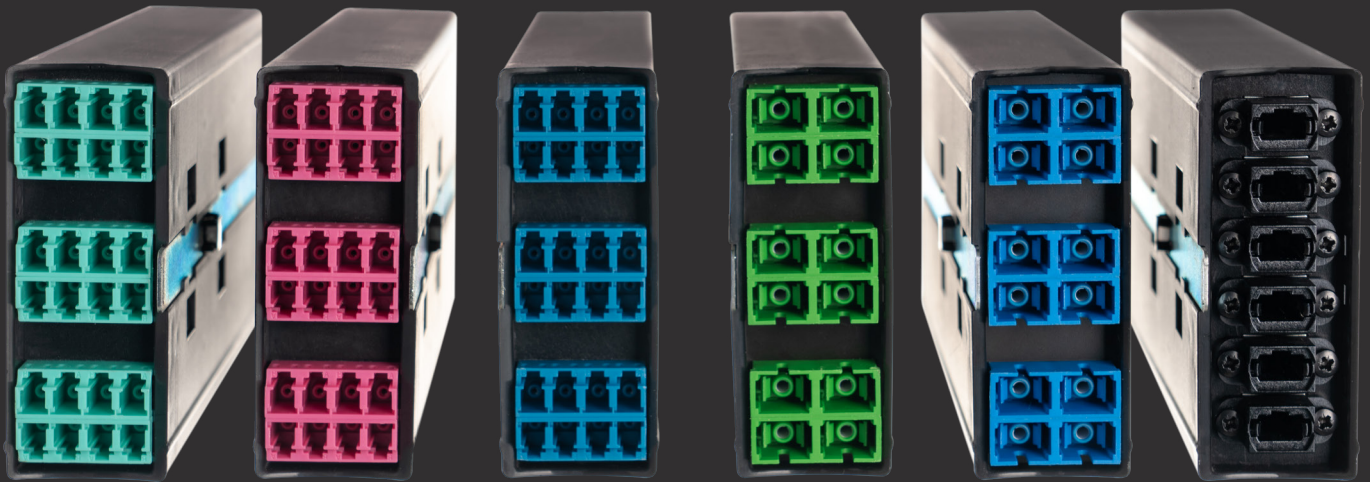


High density is not simply about the number of ports per rack unit. Rather, standardisation, flexible modularity and user friendly cable management, are most important for real-world network applications.

Cassettes

Cassettes are designed for all data centres and enterprise networks, easy to handle and fast to install. Cassettes offer tool-less installation with one click latching technology from the front and the rear.

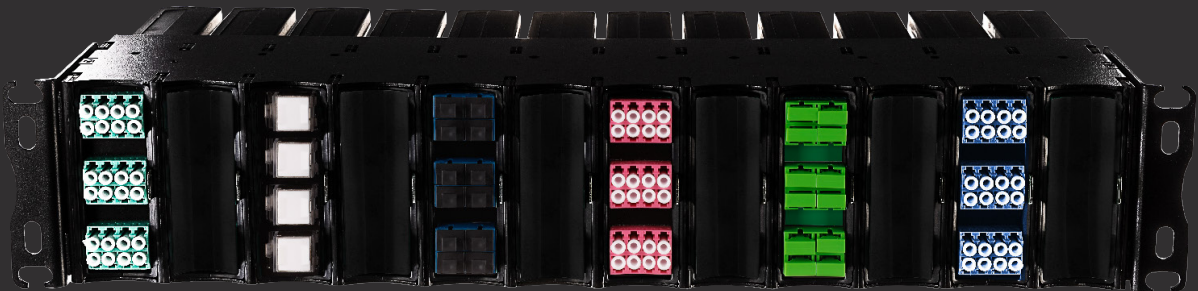
They can be housed in either 1U or 2U chassis, are locked into place with a unique latching mechanism, and connected to the network using trunk cables and patch cords.



A comprehensive range of cassettes can be configured to meet your requirements:

- 1G/10G/25G Base 12 MTP/MPO to LC/SC
- 40G/100G Base 8 MTP/MPO to LC/SC Base 12 - Conversion Modules
- LC/SC "Direct Attach" Micro/Backbone Cable 8
- LC/SC Splice
- Splitter/Tap
- Copper

Given the unique design, both front and rear plates can be modified to build a cassettes that meets the requirements of your application.



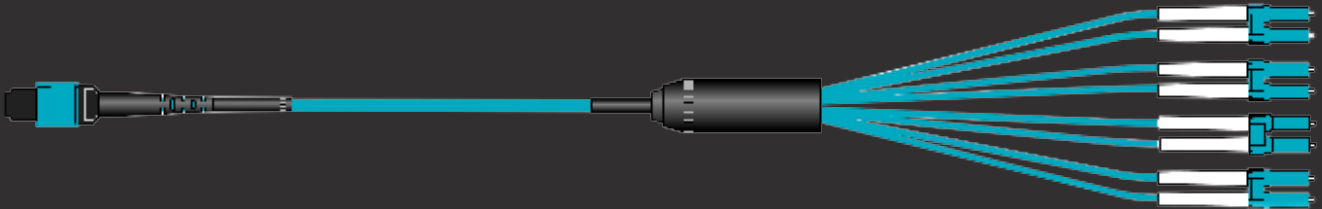
Trunk Cables / Patch Cables

Trunk cables are used to establish the connection between MTP/MPO modules, as a permanent link. These cables are typically available in fibre counts of 12, 24, 48 and 72, with their ends fitted with either 8 fibre, 12-fibre or 24-fibre MTP/MPO connectors. MTP/MPO patch cords are used in applications with 40-gigabit and 100-gigabit active devices (with an MTP/MPO interface). The ends of MTP/MPO patch cords are typically fitted with either 8 fibre, 12-fibre or 24-fibre MTP/MPO connectors.



Harness Cables

Harness cables make it possible for multi-fibre cables to transition to single fibres or duplex connectors. The 12-fibre harness cables provided, come pre-assembled with MTP/MPO-side male or female connectors; fan-out legs are available with LC or SC connectors as standard.



X Cables

24-fibre X cables are typically used to connect MTP/MPO modules. In this process, each of the two ends are terminated with two fan-out legs, and therefore two 12-fibre MTP/MPO plugs.



Y Cables

Y cables are normally used in a 2-to-1 design. One typical application of this design is combining two 12-fibre trunk cables into one 24-fibre patch cord when migrating up to 100-gigabit. The 1-to-3 design is rather uncommon, but makes it possible to combine three 8-fibre MTP/MPO connectors with a 24-fibre permanent link, e.g. for a migration to 40-gigabit.

