

Fiber Test Boxes (Network Simulators)

Components and Installation Tools

ARIA Fiber Test Boxes (Network Simulators) allow for the simulation of optical networks and can be configured with different fiber types, fiber lengths, and connector types.

These systems allow the user to measure true loss through fiber, connectors, and splices. They also allow the user to measure signal delay which is not possible with attenuators.

By connecting different reel lengths with patch cords or splices, the user can create many different channel lengths to test their network products.

Each reel inside the chassis supports multiple fibers that connect to a replaceable jumper. This jumper is mated to the ports on the front of the panel.



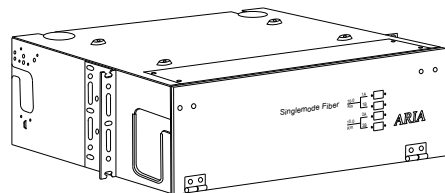
Features

- Replaceable internal jumper
- Support for small or large reels
- Modular stackable chassis allows for multiple chassis to be attached together at the factory
- Fiber from multiple reels can be spliced together at the factory
- Compact design
- Supports up to 50km per 3RU

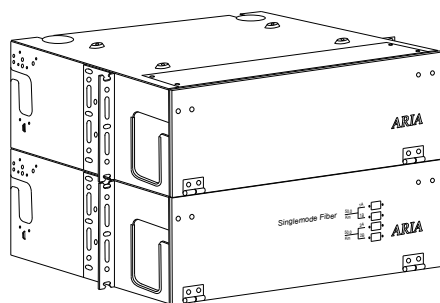
Specifications

Rack Units	3
Dimensions (Inches)	5.25 x 17.0 x 16.0 (HxWxD)
Fiber Capacity	50km
Large Reel Capacity	(2) 25km Reels
Small Reel Capacity	(8) 3km Reels
Mounting	19" or 23" Frames
Material	2.0mm Thick Aluminum
Material Finish	Black Powder Coat
Weight (Empty) (lbs)	6.5

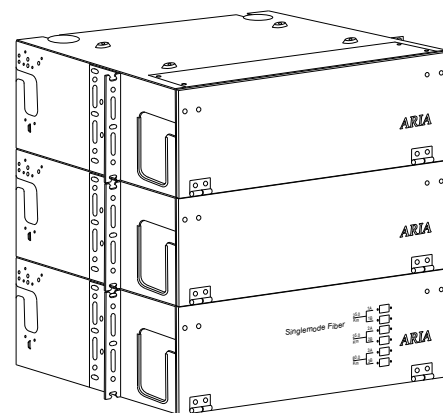
Modular 3RU Design



(1) 3RU chassis supports up to 50km



(2) 3RU chassis support up to 100km



(3) 3RU chassis support up to 150km

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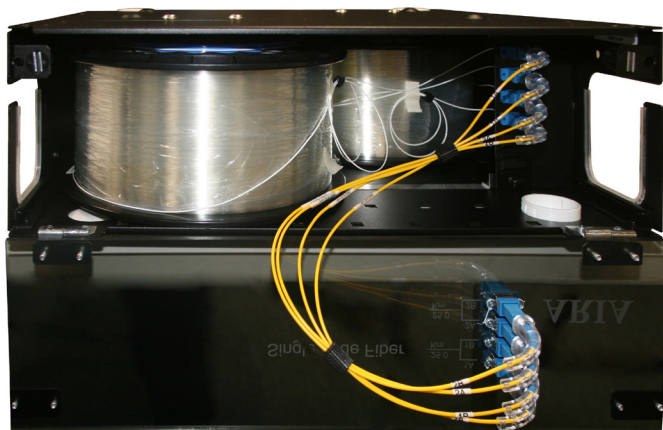
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Connector Saver Jumper Feature

All network simulation systems come with the connector saver jumper feature.

This feature allows the wear and tear of multiple connector matings to occur on a jumper and not on the connectorized end of each length of fiber for testing.

If a connector endface is damaged, simply replace the damaged jumper. The test system can continue operating without retermination.



Part Number

FTB- 1 2 3 4 5

1 Fiber Quantity

X = Quantity of Fiber(s)
at this length

3 Length

XFT = X Feet
XM = X Meters
XKM = X Kilometers

4 Polish Type

U = Singlemode UPC
A = Singlemode APC
M = Multimode PC

2 Fiber Type

B = SM 9/125µm Bend
Insensitive G.657.A1
1 = MM 62.5/125µm OM1
2 = MM 50/125µm OM2
3 = MM 50/125µm OM3
4 = MM 50/125µm OM4
5 = MM 50/125µm OM5

4 Connector Type

SC = SC
LC = LC
FC = FC
ST = ST

5 Additional Fibers

If additional fibers
are needed, use the
previous options to
configure them here