



# OptoBlaze

## Pre-Connectorized Plug and Play Solution

OptoBlaze is a Multiport Service Terminal (MST) for FTTH Connectivity.

The OptoBlaze MST is an essential component within the access network, facilitating the rapid connection between the Fiber Distribution Hub and subscribers. When customers opt for FTTH service, the OptoBlaze Terminal serves as the crucial link, connecting the drop cable to their residences.

This IP68 ruggedized pre-terminated solution offers a swift, secure, and user-friendly means of establishing connections in an ergonomically designed, low-profile housing. Tailored for Outside Plant (OSP) applications, it can be seamlessly deployed in various settings, such as hand-holes, pedestals, utility poles, or overhead cables, and securely fastened to any flat surface.

STL OptoBlaze features a user-friendly design that facilitates quick and effortless mounting or dismounting, providing installers with a time-saving advantage during both installation and maintenance processes. It arrives pre-stubbed, making it an optimal choice for a dependable deployment in access networks, whether for Point-to-Point (PtP) configurations or as a GPON distributor with preassembled PLC splitters.

The OptoBlaze MST comes in multiple configurations, including 4-port, 6-port, 8-port, or 12-port, with or without pre-loaded splitters. To establish the crucial link between the Terminal and the subscriber's residence, the OptoBolt pre-connectorized drop cables (each containing one fiber) are essential.

Notably, this solution meets stringent environmental criteria, making it capable of withstanding direct exposure to extreme temperatures and humidity. Furthermore, the STL Terminal and Plugs are fully compatible with similar products available in the market, making them an ideal choice for enhancing and expanding FTTH networks.

## Technical Features

### Optimized Space and Aesthetics:

The innovative Zig-Zag port layout enables greater port spacing within the terminal without expanding its overall size. This design is exceptionally user-friendly, even when wearing gloves, making it more accessible for installation and maintenance.

### Enhanced Spacing for Faster Installations:

The increased port spacing not only facilitates more straightforward connections but also accelerates drop cable installations, and it does so without the need for specialized tools. This boost in efficiency results in faster network deployment.

### Compatibility with Existing Infrastructure:

STL terminals seamlessly integrate with both current and legacy mounting brackets in the field, whether on utility poles or within manholes. This compatibility ensures a smooth transition and easy retrofitting into existing network setups.

**Intuitive Port Numbering:**

Port numbering follows a more logical sequence, reducing the risk of inadvertently connecting to the wrong port. This enhanced labeling system simplifies the setup process, improving efficiency and accuracy.

**Reduced Skill and Training Requirements:**

The user-friendly design of the Zig Zag port layout, intuitive numbering, and tool-less installation further minimizes the need for extensive training and specialized skills. This lowers the entry barrier for technicians, reducing the learning curve.

**Ease of Mounting and Dismounting:** An optional bolt-less mounting/dismounting feature provides an effortless and rapid way to attach or remove the terminal, saving valuable time during installation or maintenance operations.

**Applications**

- Outdoor applications
- Hand-hole or pedestal
- On a pole or over-head cable

**Dimensions<sup>1</sup>****4 Port Design**

336mm x 88.6mm X 121.3mm

**6 and 8 Port Design**

431mm x 88.6mm X 121.3mm

**12 Port Design**

431mm x 88.6mm X 158.3mm

**Note 1:** The dimensions do not include the adapter caps.

**Technical Specifications**

<b>Cable Retention Connector</b>	300N $\Delta IL < 0$ , 3db (@1550nm)
<b>Water Tightness IP68</b>	2m waterhead (20KPa)
<b>Temperature Cycling</b>	20 cycles from -40°C to 65°C $\Delta IL < 0$ , 2db (@1310, 1550 and 1625nm)
<b>Intermateability with Installed Base</b>	Proven to the above criteria

**STL OptoBlaze - Ordering Information<sup>2</sup>**

Series Name	Terminal Port	Standard Hardened Connector	Flat Tail Cable	Cable Length	No Connector On Other Side	Standard Packging	STL Cable Printing
OptoBlaze	<b>Splitter Style</b> 1x4 – 1x4 optical splitter 1x6 – 1x6 optical splitter 1x8 – 1x8 optical splitter 1x12 – 1x12 optical splitter	S-HFOC/APC	FT - All Dielectric flat drop	XXXM (Meters)	N	1	STL
	<b>Non-Splitter Style</b> 4 - 4 Port 6 - 6 Port 8 - 8 Port 12 - 12 Port	U-HFOC/UPC	TN-Toneable flat drop	XXXF (Feet)			

**Note 2:** Unbalanced splitter arrangements available upon request. Contact your sales representative for more information.

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**For additional information please contact your sales representative.**

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