maXimux™

Next-Generation Passive Optical Platform

Features…

- *75% reduction in footprint vs first traditional LGX*
- *4 x more density, efficiency, & flexibility than traditional LGX*
- *Secure fit with NO pushpins or other fasteners required*
- *Modular system with 12 slots/modules per system*
- *100G MMF tap in a single, standard-width module*

Benefits…

- *Saves space & reduces OPEX*
- *Increases service flexibility, density, & efficiency*
- *Eliminates pushpin & other fastener mating issues*
- *Provides true plug-n-play functionality*
- *Supports higher speeds without increasing footprint*

All the Best of LGX & Much More

OptiX²'s maXimux™ chassis is the next-generation (NG) of passive optical platforms. MaXimux™ offers a new form factor that embraces the benefits of LGX, while moving far beyond its current capabilities. LGX cassettes or modules became popular because they deliver modularity while protecting the passive optical devices inside and simplifying connectivity. The maXimux™ chassis extends this to hold 12 modules inside a 1U chassis, while LGX chassis can only hold 3 modules. In fact, a 1U maXimux™ chassis is roughly the equivalent of a 4U LGX chassis.

Why maXimux™?

Simple…network evolution requires smaller, denser, and more efficient products. For the most part, the LGX form-factor and the pushpins used for securing LGX modules in a chassis have not changed in more than a decade. The maXimux™ reduces the form factor by 75%, while providing 4 x the density, efficiency, and flexibility of traditional LGX modules. Furthermore, unlike pushpin fasteners which frequently break, can be difficult to insert and remove, and may not align correctly with the chassis. MaXimux™ modules use our patent-pending SecureFITS (Fastens Inside The System) method to seat the modules. To install a module, simply push the module inside a channel/slot within the chassis until it "clicks". Likewise, removing the module only requires a strong pull on the handle. So, when you need a **simple, flexible, and efficient** solution for your network evolution, choose maXimux™.
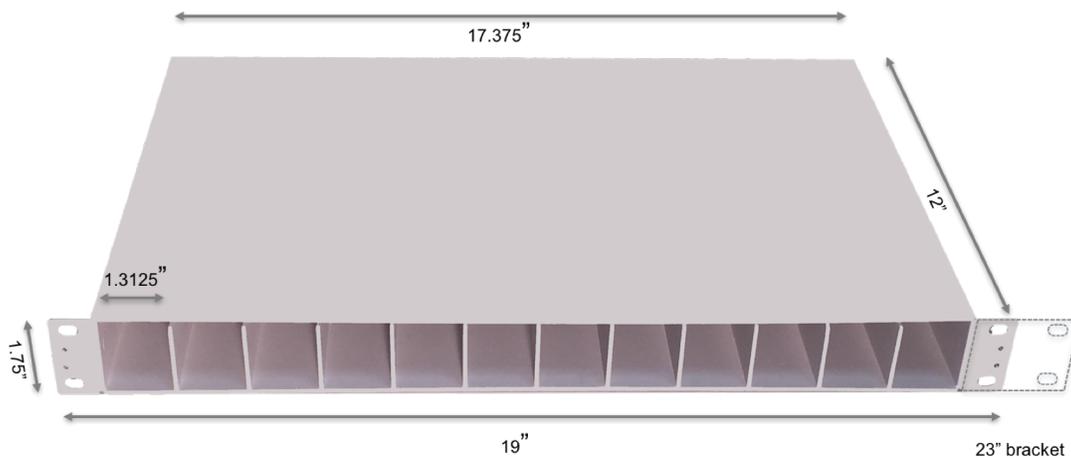
www.optix2.com   844-250-7074   sales@optix2.com

OptiX^2's maXimux^{tm} Supports Any Passive Element

The maXimux^{tm} form-factor provides any passive optical element within its modules. The list below provides most of the devices that are provided with the maXimux^{tm}; however, if you don't see something you want, contact us at 1-844-250-7074 or sales@optix2.com, and we will be happy to accommodate your request.

Types of Available Passive Optical Devices

- Splitters/Taps (PLCs or FBTs): 1xn or 2xn (where $n \leq 64$)
    - PON splitters – 1x4/8/16/32/64 or 2x4/8/16/32
    - Ultra-Low-Latency Taps – 1x2 or 1x3 lowest latency possible
    - 40/100G MMF taps – up to 3 unidirectional depending on the number of lanes or 1 bidirectional per module
- Multiplexers – CWDM/DWDM/FWDM/OADM/Custom
    - 2-48 channels ranging from 50-200Ghz spacing using either Thin-Film Filters (TFF) or Arrayed Waveguide Grating (AWG)
    - Custom includes NG-PON2 and/or PON+RFoG+CWDM/DWDM (channel plan per customer request)

Chassis and Module Dimensions

Note: An adjustable bracket for recessed mounting is also available.