



Zhone Technologies is a global leader in Fiber to the Home (FTTH) solutions, offering a full spectrum of products that enables operators to build the network of the future... today. Zhone delivers enhanced voice, video and data services at lower costs, with superior management, and faster deployments.

- ✓ A leading provider of FTTx Multi-service solutions
- ✓ A global top 5 GPON leader
- ✓ Full integration services available
- ✓ Has the largest selection of FTTx ONT's
- ✓ Manufactured in the USA

**Cost-efficiency** – Industry leading port density coupled with the options for varied form factors including chassis based and 1U fixed platforms ensure the highest cost-efficiencies. Ease of deployment and management help reduce ongoing operating expenditure and further improved the ROI metrics.

**Bandwidth** - MXK has a GPON subscriber system capacity of 9,216 subscribers per chassis. With fully redundant, dual-star 20 Gb/s connections to every slot in the chassis, the MXK provides unmatched non-blocking bandwidth using an all-IP switching fabric capable of 4.6 Tb/s for HD and unicast-rich services.

**Intelligence** - The Zhone MXK complements massive bandwidth with the utmost in access intelligence, tapping directly into multiple years of Zhone's development of the SLMS access operating system. The product of hundreds of operator engagements in over 70 countries, SLMS brings a wealth of layer 2 bridging, traffic policing, rate shaping, and multicast group management to the platform from the onset.

**Reliability** - From the fully-redundant and hot swappable design of the hardware itself, all the way up through its software for link aggregation and resilient networking protocols such as EAPS, RSTP, and MSTP, the MXK is designed to deliver high-performance, reliability and uptime.

**Efficiency** - The MXK continues Zhone's tradition of future proof flexibility and powerful management interfaces. Unparalleled port density saves capital, space, power, and maintenance costs. Any service, any slot flexibility, along with tight integration with all of Zhone's SLMS management portfolio, allows the use of a single access platform across the network for a wide variety of situations - from GPON and Active Ethernet to ADSL2+, VDSL2, EFM, metro Wi-Fi, and POTS — thereby reducing operational costs throughout the organization, and protecting investments as the service portfolio grows.

**Management** - Zhone's ZMS is a highly scalable platform that offers full configuration and management capabilities. The platform can be configured for high availability with an additional remote server for disaster recovery.

**Security** - As the managed network element closest to the end customer, access concentration platforms can potentially represent significant security risk and vulnerability. To maintain tight security in the last mile, the MXK mounts considerable defenses powered by all of Zhone's SLMS security features, including multicast control lists, secure bridging, broadcast suppression, dynamic IP filtering, SSH and SFTP, and RADIUS authentication.

**Becky Mathe, FTTH Coordinator**  
Zhone Elite Partner  
201-488-6000  
[ZhoneFTTH@psitec.com](mailto:ZhoneFTTH@psitec.com)

Please contact us to learn more about how Zhone can help your organization offer the most scalable, intelligent, reliable, FTTH solution at the lowest cost possible.

Zhone, the Zhone logo and all Zhone product names are trademarks of Zhone Technologies, Inc. Other brand and product names are trademarks of their respective holders. PSI and the PSI logo are trademarks of PSI Technologies Corp.



**PSI Technologies Corp.**  
Zhone Elite Partner  
[www.psitec.com](http://www.psitec.com)

330 Franklin Tpke.  
Mahwah, NJ 07430  
201-488-6000



**Zhone Technologies, Inc.**  
Bandwidth Changes Everything  
[www.zhone.com](http://www.zhone.com)

Zhone Way  
7195 Oakport St.  
Oakland, CA 94621