



YAMASAKI
Optical Technology

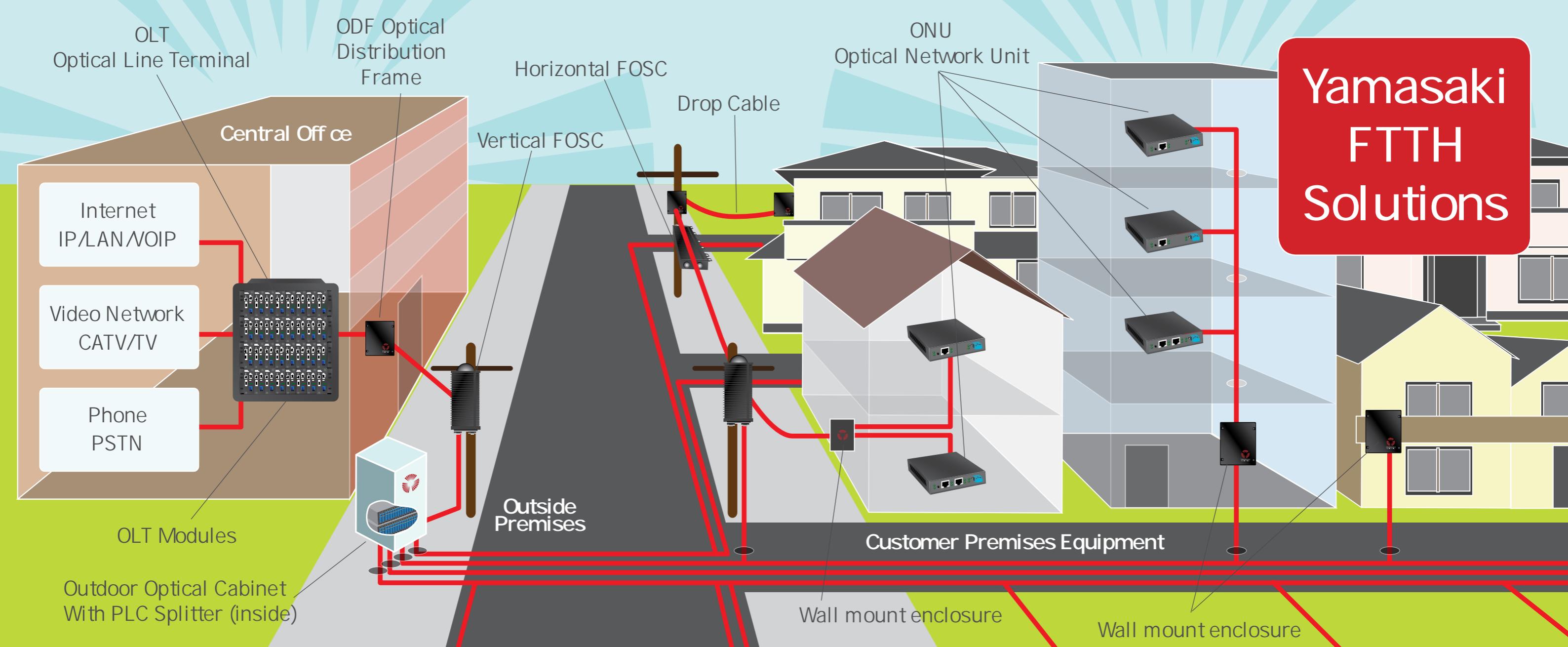
FTTH SOLUTIONS

Yamasaki is a diversified global manufacturing and fiber optic technology company. We are one of the pre-eminent fiber optic FTTH Solution Providers. We have developed over 100 types of fiber optic product over the years, including the FTTH products, OLT, ONU, PLC Splitters & PON Power Meters.

Additional to the FTTH Network Connectivity product range, Yamasaki has developed a complete Test and Measurement product set including Fusion Splicers, Fiber Optic Power Meters, Fiber Optic Light Sources, Fiber Optic Talk Sets, Optical Fiber Identifiers and Visible Fault Identifiers and a large variety of quality SFP's, GBIC's, CWDM and Media Converters.

We look forward to working with you to deliver the best in service, quality and value for money.

The Yamasaki motto will always be
DEPENDABILITY & RELIABILITY IN ONE NAME



Yamasaki Optical Technology provides a complete FTTH solution, end to end

From the Central Office to the End User's building, Yamasaki FTTH solutions are reliable, scalable, secure, and extremely future proof. Our FTTH products are developed to meet the highest standards and produce the best possible results.

The increase in demand for bandwidth is not showing signs of slowing down, with interactive HD video, Video chat, HD Online Gaming supported & Cloud Computing set to become the norm. We are ready to face the challenges that these changes present. Scalable FTTH networks provide the ultimate super fast broadband solution - the fastest speeds by far - and virtually no limits on capacity. FTTH installations allow for the delivery of multiple services over the same network, allowing providers to offer bundled services to the consumer. Homes, schools and businesses will be able to enjoy and benefit from services such as telephony, high-speed Internet, HD television and much more. The possibilities are limitless and the benefits to the subscriber will exceed expectations.

In a Passive Optical Network (PON) there are no active components from the origination point to the end user. This minimizes the network maintenance cost and requirements, as well as eliminating the need for any form of electrical power along the network, dramatically reducing CAPEX and OPEX. Another benefit is the reduction in Greenhouse gas emissions as PON networks do not require electricity. It is estimated that 10% of the population will be able to work from home, thus reducing the time spent commuting, saving fossil fuels.

Fiber has a virtually unlimited bandwidth capacity and is therefore capable of meeting increasing traffic demand of multimedia services, providing a "future-safe" medium that outperforms all other known media. With the prices of fiber optic cable dropping below that of copper, fiber is the natural choice for Greenfield sites. Brownfield sites can also benefit by increasing property value and allowing access to the types of services that only FTTH can provide. Now is the time to install fiber networks. FTTH has never been more affordable.

Modern PON Variants

GEPON or EPON	(IEEE 802.3ah)	1.25Gb/s	Generally requires least capital expenditure as it is an Ethernet standard, and most compatible with legacy equipment
10GEPON	(IEEE 802.3av)	10Gb/s	Ethernet Passive Optical Network, backwards compatible to GEPON IEEE 802.3ah
GPON	(ITU G.984)	2.5Gb/s	An evolution of the BPON standard. It supports a choice of Layer 2 protocol (ATM, GEM, Ethernet)

Yamasaki FTTH solutions are developed with a vision, and stem from a passion for optical technology. It is an exciting time for the optical fiber community which we are happy to be a part of. Nations around the globe are adopting FTTH networks with the aim to deliver a high quality service to their populations. Yamasaki exists to meet their needs.

