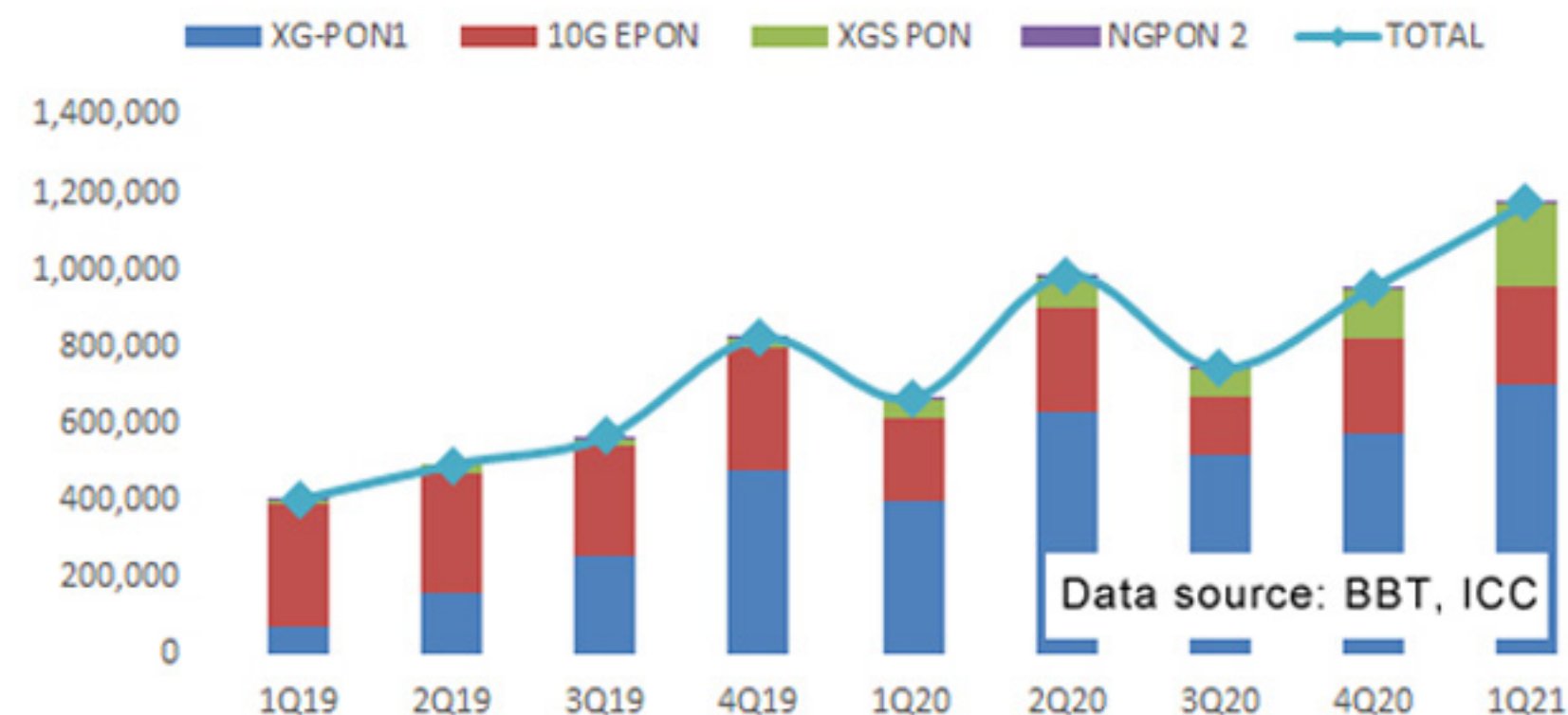


Demand and Development of 10G PON Technology

Global 10G PON OLT Shipments Increased by 76%, XGS-PON Continued Strong Momentum

ICC News (Compile: Nina) The latest data from BBT shows that in the first quarter of 2021, the XGS-PON market continued to gain momentum, with OLT port shipments increasing by 68% month-on-month and nearly 400% year-on-year. XG-PON1 continues to occupy the largest share of 10G PON ports, and as operators upgrade their networks, demand in the Chinese market continues to remain strong. Overall, 10G PON shipments (including all types of 10G PON) increased 23% sequentially and nearly 76% year-over-year. In the first quarter of 2021, global shipments of 10G PON OLT ports reached 1.173 million.

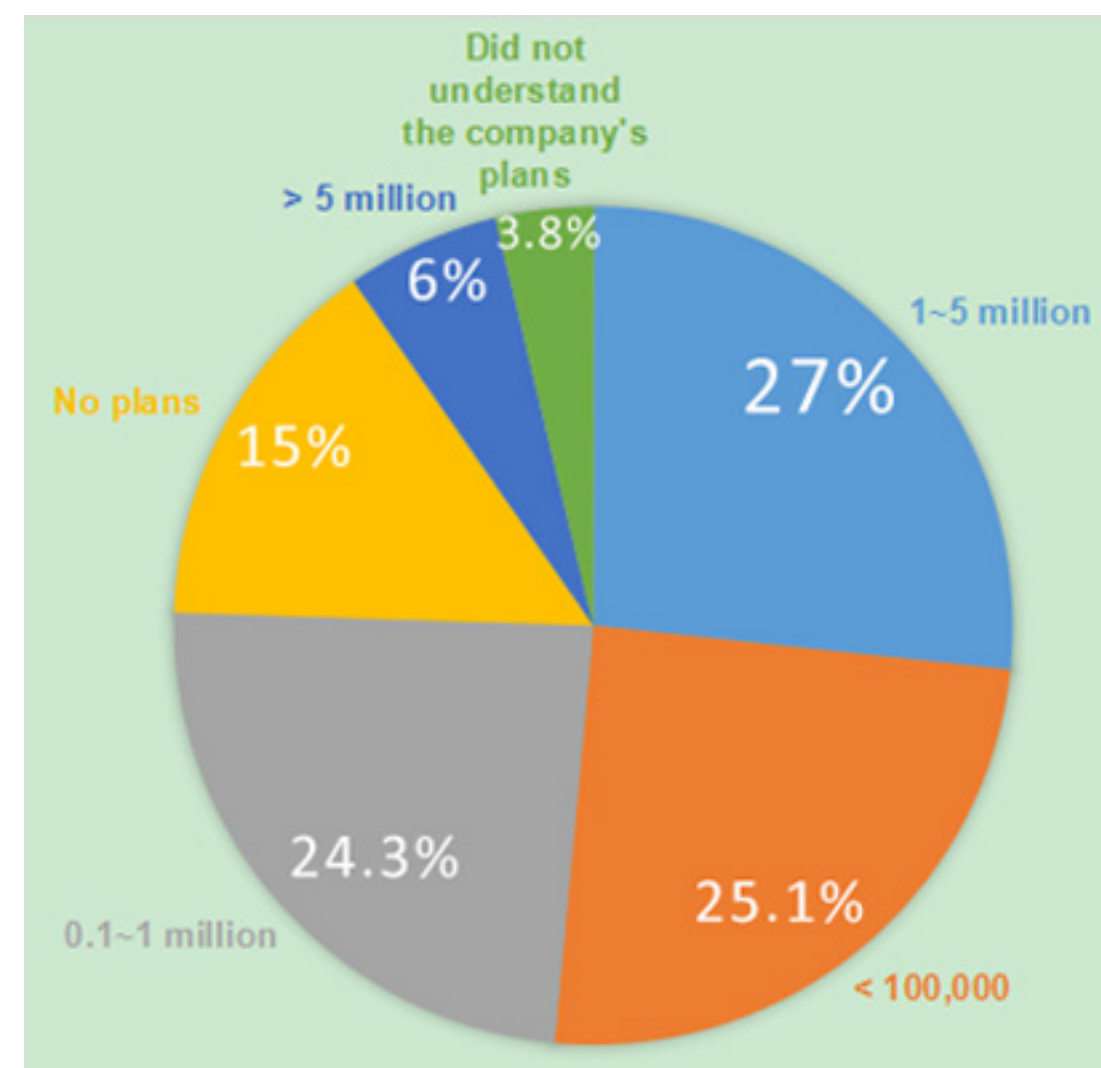
Global 10G PON OLT Port Shipments (PCS)



XGSPON products: www.c-light.com

Demand coming? 10G fiber to the home attracts attention

A recent survey by Lightwave showed that 81% of service provider respondents worldwide plan to deploy 10G fiber optic technology within the next two years, and the vast majority of respondents prefer XGS-PON.



Cost planned by US dollars of 10G FTTH deployment in respondents

10G PON Technology Development

(1) 10G PON technology development route

Both IEEE led EPON and ITU led GPON are currently evolving to the 10G PON stage, and subsequent plans are both 100G PON.

(2) Evolution of EPON technology

EPON will evolve to 100G PON technology in the next step.

(3) Evolution of GPON technology

The fixed wavelength symmetric 10G GPON standard XGS-PON was released in 2016. After the ITU supplemented the symmetric fixed wavelength 10G standard (XGS-PON), some manufacturers believe that NGPON2 evolve directly to 4x25G 100G PON solution, and it is possible to achieve integration with the 100G EPON standard.

