FTTH fiber to home solution

1.Project overview

With the rapid development of China's network, FTTH optical fiber to the home is an inevitable trend, only optical fiber can reach more than 100Mbps bandwidth to the home, so FTTH has become the inevitable choice and development direction. In recent years, with the continuous development of fiber-to-the-home FTTH technology, Chang cheng Technology has completed thousands of FTTH transformation and FTTH new projects, and become a high-quality product provider and technical support manufacturer for communication operators.

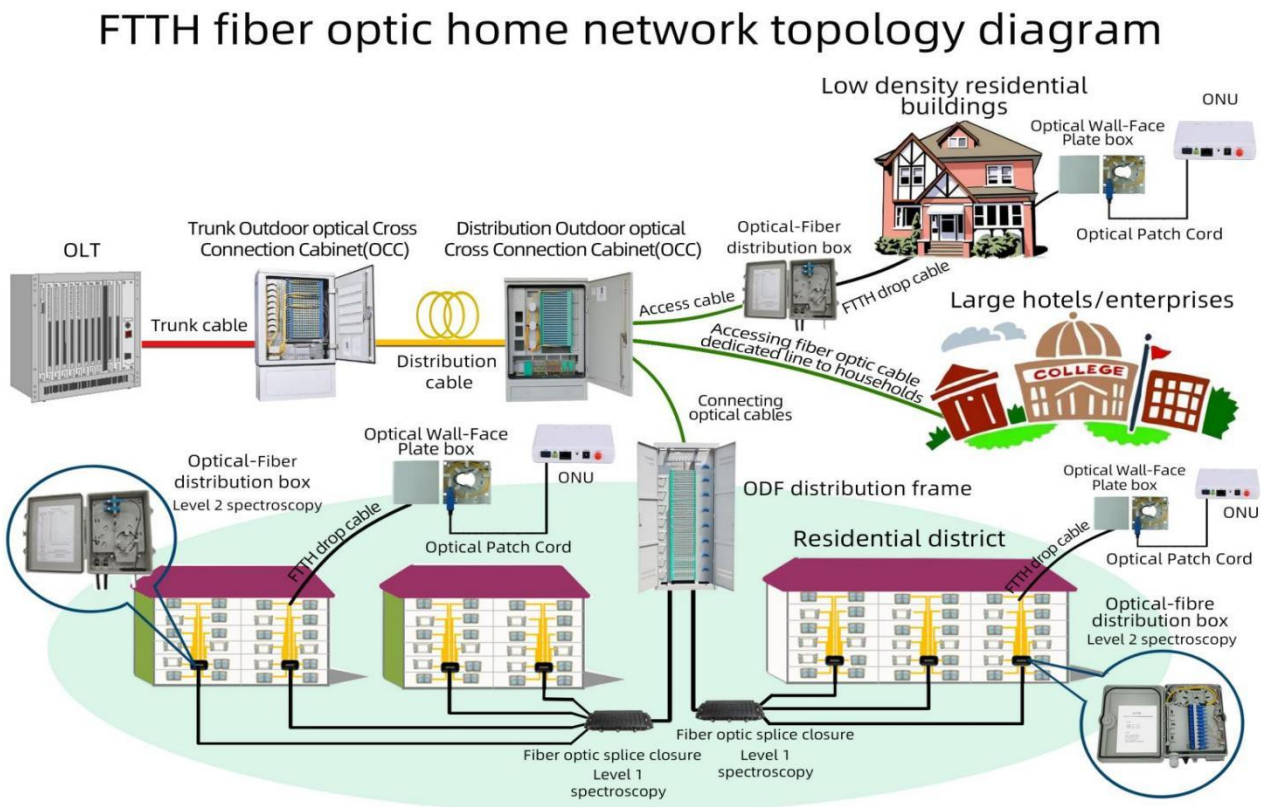
2. Project design scheme

According to the targeted scheme design distribution of different environmental scenarios, it is generally divided into the following categories: high-density residential areas or office buildings, low-density residential buildings, large enterprises or hotels.

Design standard: The whole system conforms to the wiring standard recommended by CCITT; Comply with EIA/TIA recommended building internal wiring system standards, as well as China's current general communication electrical standards.

Design specifications: The received optical power of the ONU is -18dbm - -20dbm, and the bandwidth of the client is 100Mbps per household.

Solution topology:



3.Recommended product list

No.	Product Name	Specification Model	Remarks
1、	outdoor optical cable	96/48/24/ core	trunk/wiring/access distribution wiring
2、	cable handover box	576 core	trunk/wiring distribution
3、	ODF fiber distribution frame	720 core	
4、	cable connector box	three into three out	
5、	wall hanging fiber box	24/48 core	
6、	optical splitter	1:8/1:16/1:32	
7、	the introduction of leather cable	2 core	
8、	Optical fiber fast connector	SC/UPC	
9、	optical fiber patch cord	SC/UPC-SU/UPC	
10、	fibre face plate	SC simplex	
11、	ONU	XPON	

4.Characteristics of design scheme

Openness: The whole system can connect various manufacturers, various models of computers, switches, TV sets, support different network structures. Support the implementation of WIFI and other extended functions.

Convenience: meet the requirements of terminal equipment shifting and changing the line; The transfer connection of equipment can be easily realized by simply jumping on the distribution frame.

Advanced nature: The use of advanced technical standards and construction technology, to ensure that within a few years not lag behind.

Reliability: The selected equipment and materials are certified by the state, meet the safety standards, and have a high degree of integration to meet the requirements of safe transmission.

5.About Changcheng Technology

Changcheng Technology company specializes in R & D, production and sales as one of the high-tech and computing infrastructure enterprises, well-known intelligent networking integrated wiring brand; Product coverage # Communication cable series # Data center series # optical fiber

cabling series # copper cable cabling series products and solutions; Help East digital West computing to fully start, support # data center construction # government brain # smart education # digital medical and other thousands of engineering projects to provide products and technical support.

The company team has been deeply engaged in the communication industry for 21 years, adhering to the business philosophy of quality as the foundation, and creating a global leader and well-known brand of integrated cabling in the optical communication industry. He has participated in CIOE China Optical Fair, Germany, France, India, Egypt, Vietnam, Singapore and other influential and representative communication technology industry exhibitions. The glorious history of 21 years is the history of optical communication with continuous improvement of quality and continuous innovation of technology.