



ZTT Broadband Product Series

Honorary Quality, Customer Oriented and Strivers Founded

An aerial night view of a city with a glowing network overlay. The network consists of numerous nodes (small white dots) connected by thin white lines, forming a complex web across the city's layout. Two prominent blue diagonal lines are overlaid on the network: one in the upper right quadrant and another in the lower left quadrant. The city lights are visible in the background, creating a dark, textured environment.

PART 1 COMPANY PROFILE

Company Profile



Name: Zhongtian Broadband Technology Co., Ltd

Location: Nantong

Floor Area: 70,000 square meter

Industrial distribution: active/ passive components, antenna, cabinet etc.

Human Resources: total 1250 staffs, R&D 95 staffs

Company Profile——Intelligent Factory



Robots in Workshop

Efficiency increase $\geq 30\%$

Labor decrease $\geq 15\%$



Central Control System

- Real-time Production Scheduling
- Automatic Material Delivery
- Production Information Traceability
- Environmental Condition Monitor
- Energy Consumption Monitor
- After-sales Service Automation

Company Profile——Annual Capacity



Passive Components:

- Pigtailed or Patch Cords: 18 million fibers
- Field Assembly Optic Connector: 2 million pcs
- Faceplate: 300,000pcs
- Pre-assembly Drop Cable: 6 million pcs
- PLC Splitter: 2 million pcs
- Joint Closure: 1.8 million pcs



Racks and Boxes:

- Small Size Cabinet (Patch panel, Distribution box, Multi-media cabinet, etc.): 500,000 pcs
- Big Size Cabinet (ODF, DDF, FDH, Outdoor cabinet, multi-purpose cabinet, etc.): 150,000 pcs



Antenna:

- Base Station Type: 300,000 sets
- Indoor Type: 2 million sets
- Camouflaged Type: 120,000 sets



Active Equipment:

- OLT: 36,500 sets
- ONU: 1.8 million sets
- STB: 1 million sets

An aerial night view of a city with a glowing network overlay. The network consists of numerous nodes and connecting lines, creating a complex web across the city's layout. Two prominent blue diagonal lines are overlaid on the network, one in the upper right and one in the lower left. The text 'PART 2 PRODUCTS FOR DATA CENTER' is centered in white, bold, uppercase letters.

PART 2 PRODUCTS FOR DATA CENTER

Products for Data Center-Racks and Mini module system



Main ODF



Network Cabinet



Power Distribution Cabinet



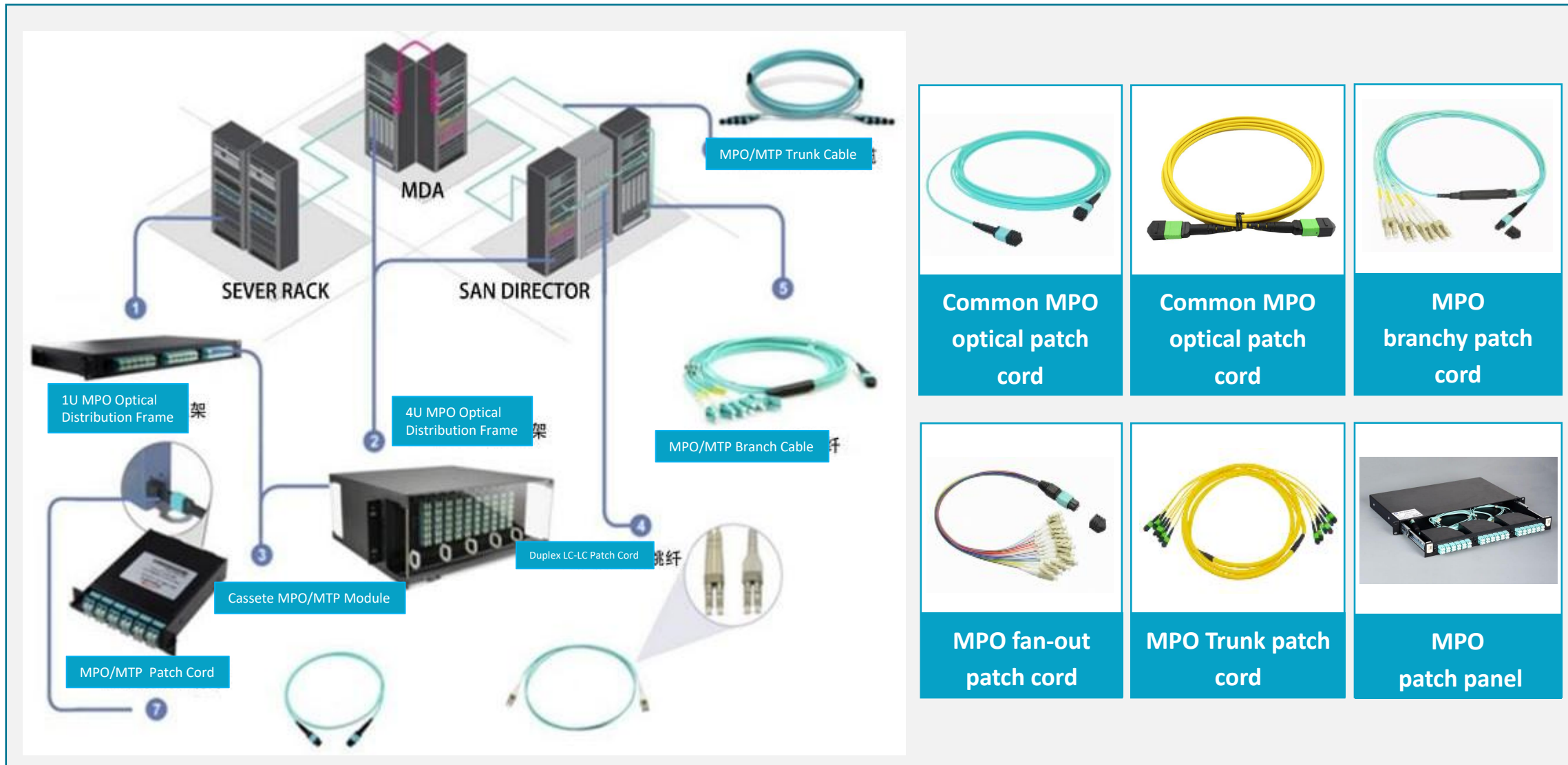
Cold Aisle System



Data Center



Products for Data Center-MPO



Common MPO optical patch cord



Common MPO optical patch cord



MPO branchy patch cord



MPO fan-out patch cord



MPO Trunk patch cord



MPO patch panel

An aerial night view of a city with a glowing network overlay. The network consists of numerous nodes (small white dots) connected by thin white lines, forming a complex web across the city. Two prominent blue diagonal lines cross the scene, one from the top right towards the center and another from the bottom left towards the center. The city lights are visible in the background, creating a dark, textured environment.

PART 3 PRODUCTS FOR MOBILE SYSTEM

Products for Mobile System-Mini Shelter



1 Unit 2 Compartments



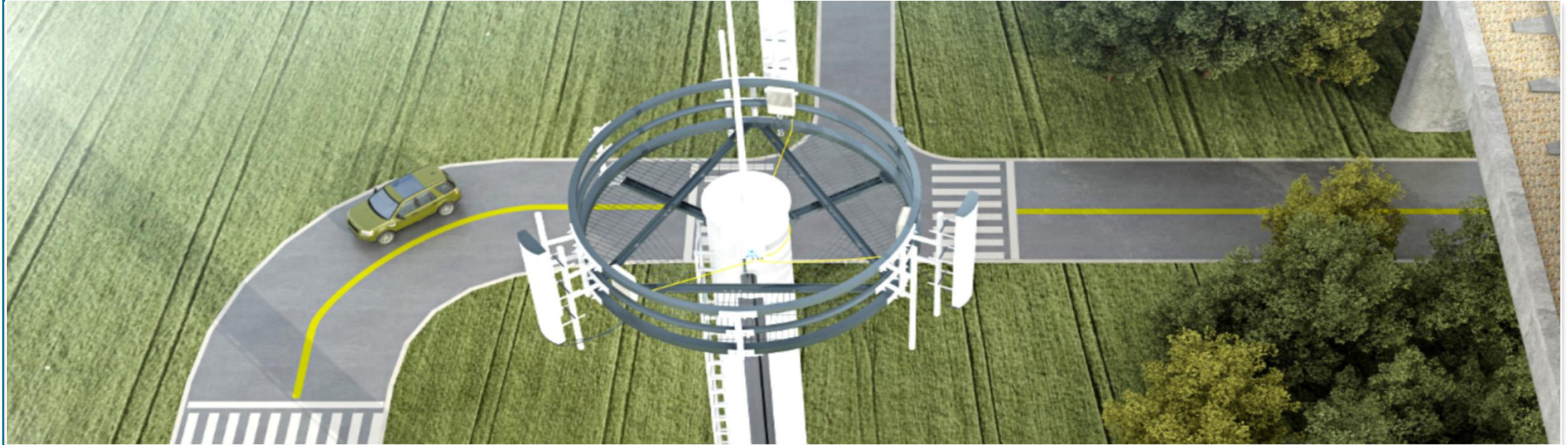
2 Units 3 Compartments



3 Units 3 Compartments

- Roof/Under Tower/Roadside mounted
- Mini compact design
- Modular structure
- Integrate multi monitors inside
- Flexible configuration
- With emergency battery supply

Products for Mobile System- Antenna



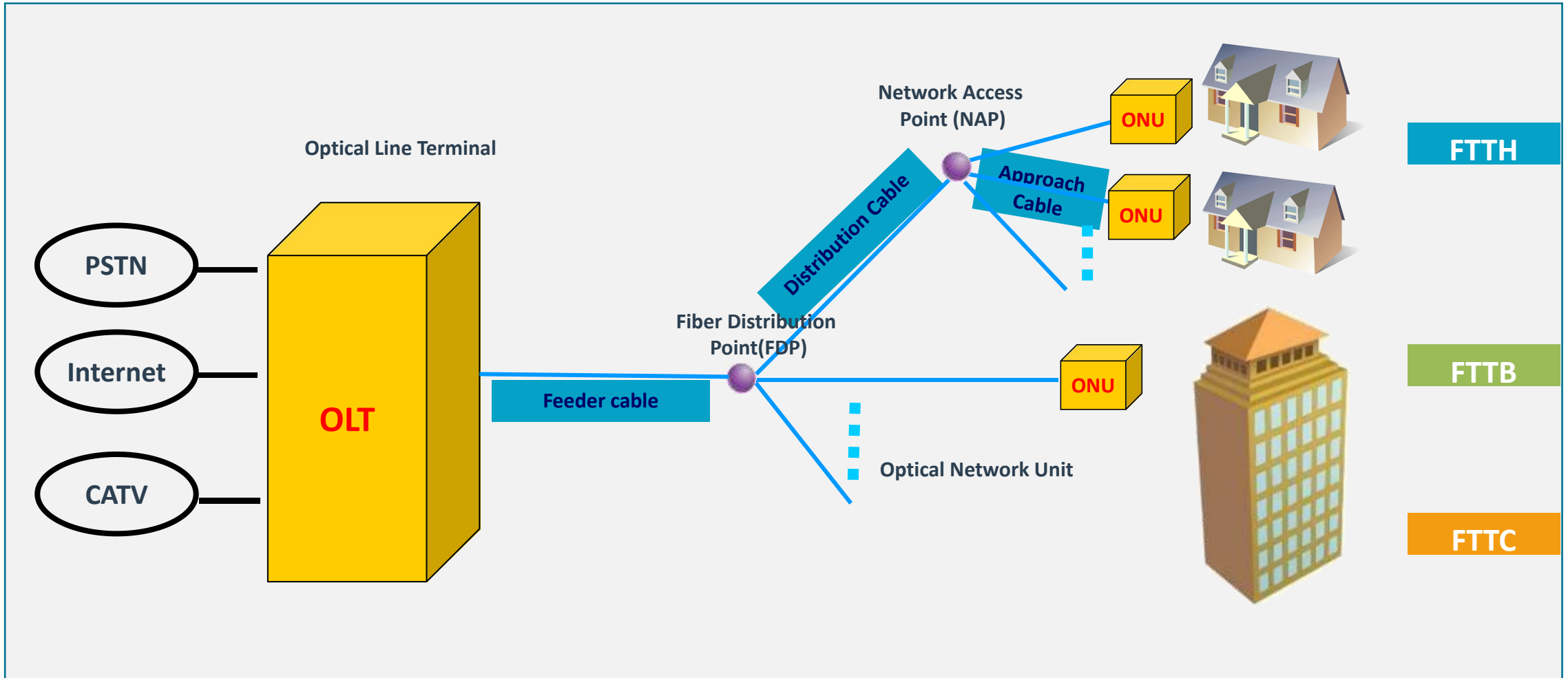
- China Telecom, China Mobile
- Over 50,000 base station projects
- Base Station Antenna
- Indoor Antenna (daily capacity over 20,000 pairs)
- Camouflaged Antenna



An aerial night view of a city with a glowing network overlay. The network consists of numerous nodes (small white dots) connected by thin white lines, forming a complex web across the city's layout. Two prominent blue diagonal lines are drawn across the scene, one in the upper right and one in the lower left. The city lights are visible in the background, creating a dark, textured environment.

PART 4 PRODUCTS FOR PON SYSTEM

PON Topology Structure-Passive Optical Network



PON Active Products-OLT & ONU & STB



OLT

- Rack-mounted (1U)/Frame Plug-in type
- GPON/EPON supported



ONU

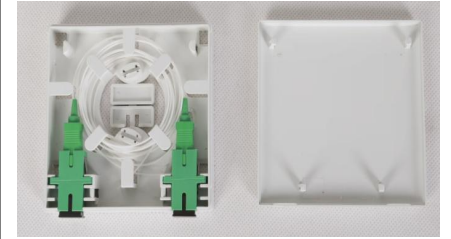
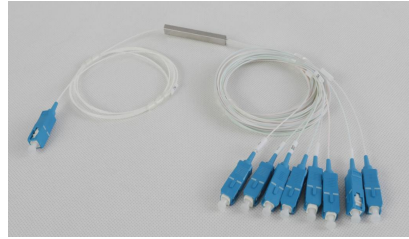
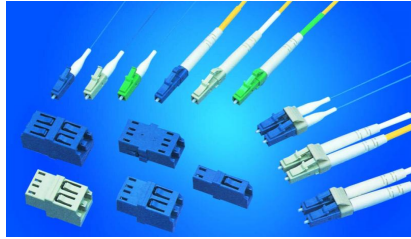
- GPON/EPON supported
- Single/ Double/ Quad Internet port
- CATV, voice or Wifi supported
- China Unicom



IPTV STB

- Support video live, on-demand, time shift function
- Support LAN\ADSL access
- Support TCP/IP, PPPOE, DHCP network protocol

ODN Passive Products-Optical Components



Adaptors/Attenuator /Connectors

- SC, LC, ST, FC, E2000, MPO...
- PC/UPC/APC polishing type
- Simplex, Duplex, Quad

Patch Cord/ Pigtail

- Different connectors/ diameter/ length /cable type, can be customized
- Good mechanical and environment performance

PLC Splitter/WDM

- From 1(2):2~1(2):64.
- Mini/Cassette/Blade /Rack type.
- Can be installed inside the splice closure/ ODB/ Outdoor cabinet.

Fast Connector

- Easy operation, fast construction
- Simple tools, convenient for carrying

Optical Faceplate

- Last optical terminal at subscriber's home
- Wall-mounted
- Good appearance

ODN Passive Products-Closure/Box/Cabinet



Splice Closure

- Dome/ Inline type
- Good mechanical and environment performance
- IP68
- Wall/pole/manhole mounted



**Distribution Box/
Floor Box**

- Metal/ Plastic material
- Outdoor/ Indoor application
- Patching/ direct splicing/ splitter type, can be customized



FDH

- Connect feeder optical cable and distribution optical cable
- SMC/Stainless steel/ Cold-roll steel material
- Good anti-wild environment performance



ODF

- Used in the central office or basement of building
- 19" or 21" profile
- High density/ capacity
- Can be customized



Outdoor Telecom Cabinet

- Used for FTTC
- Integrated MDF+DDF+ODF
- Including power supply, monitoring, wiring, cooling system

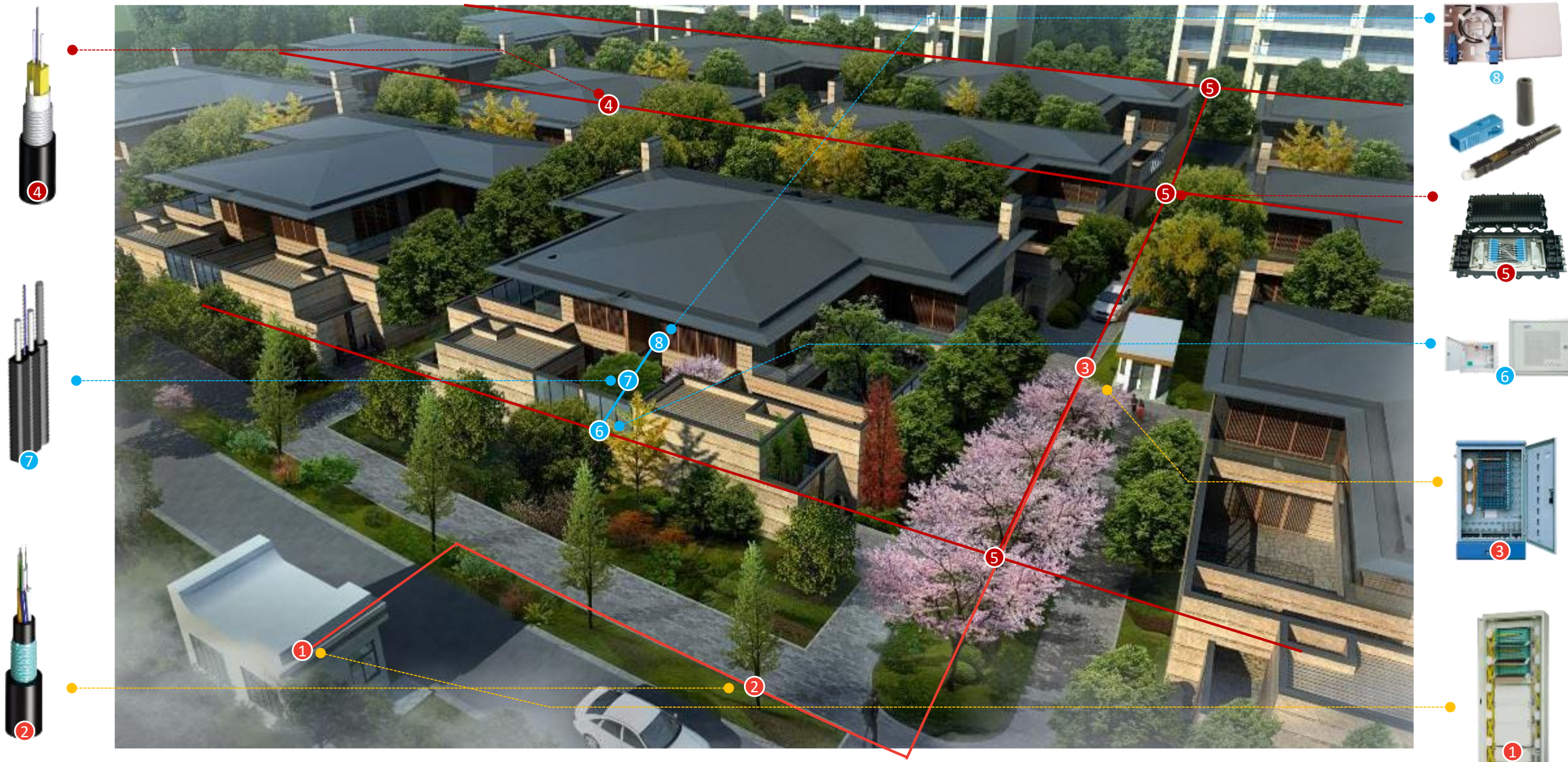
An aerial night view of a city with a glowing network overlay. The network consists of numerous nodes (small white dots) connected by thin white lines, forming a complex web across the city's layout. Two prominent blue diagonal lines cross the scene: one from the bottom-left towards the top-right, and another from the top-left towards the bottom-right. The city lights are visible in the background, creating a dark, textured environment.

PART 5 FTTX SOLUTIONS

MDU Solution



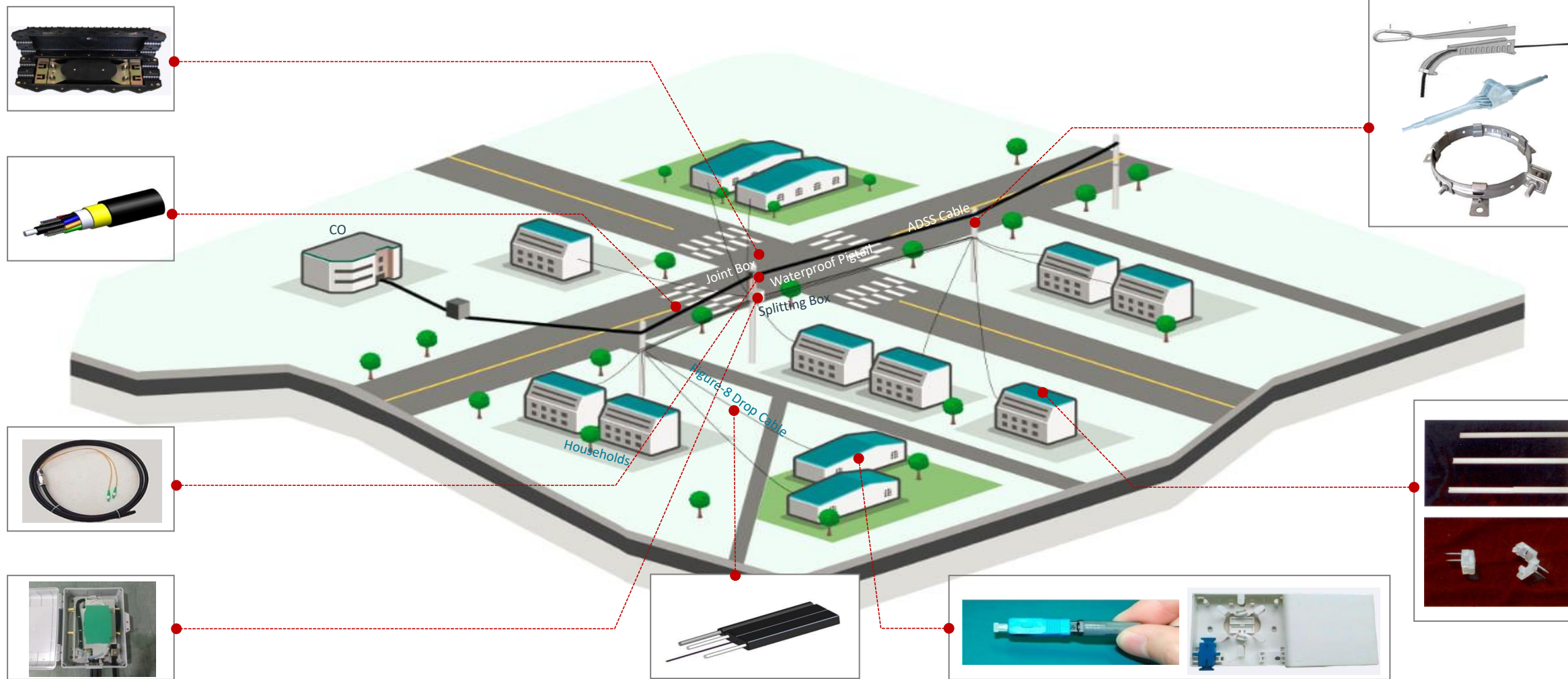
Villa Solution



FTTx Project Experience



Case: FTTH Project in Zimbabwe—7000 households



FTTx Project Experience



Theoretical
Training



Operation
Training



Site
Survey



ADSS
Installation



Cable Fittings
Installation



Closure/splitting box
Installation



Fig-8 Drop Cable
Installation



Indoor
Installation

An aerial night view of a city with a glowing network overlay. The network consists of numerous nodes and connecting lines, creating a complex web across the city's layout. Two prominent blue diagonal lines are overlaid on the network, one in the upper right and one in the lower left. The text 'PART 6 TALENTS AND STRENGTH' is centered in the image in a bold, white, sans-serif font.

PART 6 TALENTS AND STRENGTH

Following International Standards



Products Standards

- IEC 60874-1: Passive components
- IEC60874-14-1: Connectors
- IEC61754-13: FC/PC Connector
- IEC61754-4: SC Connector
- IEC61754-20: LC Connector

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Test Standards

- IEC 61300-2-1: Vibration
- IEC 61300-2-5: Torsion
- IEC 61300-2-7: Bending
- IEC 61300-2-19: Damp heat
- IEC 61300-2-26: Salt mist

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ZTT is capable of manufacturing to comply to various applicable standards.

Plenty Test Equipment



Insertion Loss/ Return Loss Tester



Fiber End Inspector



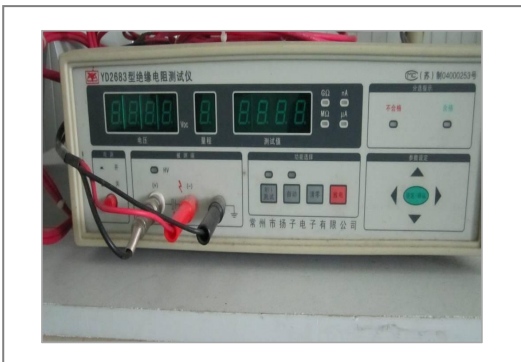
Hi-pot Tester



Pull Tester



Simulation Transport Vibration Test Bed



Insulation Resistance Tester



Crush Test Instrument



Aging Oven

Test Report



TLC (China) ROHS (China) CPR (Europe) Anatel (Brazil) TIM (Italy)

证书编号: 4301516370456RIM

产品认证证书

Certificate for Product

申请单位名称及地址
中天宽带技术有限公司
江苏省如东县河口镇中天工业
生产单位名称及地址
中天宽带技术有限公司
江苏省如东县河口镇中天工业

产品名称
ZPS 型光分路器(平面波导型, 1分32)

认证依据产品标准
YD/T2000.1-200

上述产品满足配线设备认证试验规程
型式试验-初次工厂检查-装
试此证明

颁证日期: 2015年04月
证书有效期至 2018年04月

(本证书有数据可从 www.cma.gov.cn 或 www.tlc.com.cn 网
址: 有关产品符合标准的证书附件)

中国·北京·新街口外大街28号·100080

161020340329
整机验证报告
Verification Report

报告编号 A2180132005101001E
Report No. A2180132005101001E

CENTRE TESTING INTERNATIONAL

申请单位
中天宽带技术有限公司
ZHONGTIAN BROADBAND TECHNOLOGY CO., LTD.
地址
江苏省如东县河口镇中天工业园区
ZHONGTIAN INDUSTRIAL PARK, HEKOU
COUNTY, JIANGSU PROVINCE, CHINA

结论/Conclusion
测试样品
依据指令
符合 RoHS 指令 2011/65/EU 及其修订指令
提交样品
RoHS Directive 2011/65/EU with amendments
2015/863

主检
Reviewed by
批准
Date
技术经理
Technical Manager
苏州中测检测技术有限公司
Centre Testing International (Shanghai) Co., Ltd. No.3286Ch

CERTIFICATE OF COMPLIANCE

Certificado de Conformidade - Conformação com o Regulamento

1) APPLICANT:
Jiangsu Zhongtian Technology Co., Ltd.
Zhongtian Road, Heikou Town, Huaiyong County, Jiangsu
Province, P.R. China

2) CERTIFICATE
IT0816062/T17
TEST REPORT
ANSI 170523M
ANSI 1705237
América, China

3) WITH REFERENCE TO EC DIRECTIVE APPLIED:
Regulation for the Marketing of
Construction Products (CECIS 2011)

4) CERTIFICATE
number

HARMONIZED STANDARDS APPLIED:
EN 50575:2014

5) PRODUCT CHARACTERISTICS: 32-Port Outdoor Single Mode Optical Fibre
MODELS: GYFH 20.651A2, GYFH 40.651A2

REMARKS: The verification has been carried out on voluntary application of the manufacturer. The manufacturer is responsible to ensure the compliance of the product. ISET declares any liability or non-compliance of documents, product or not report that have been submitted. Verification doesn't imply assessment of the production of the manufacturer. Before putting on EU market and affixing the CE mark on the product the manufacturer is required to get the CE Certification and meet all the necessary law requirements according to the Notified Body. The manufacturer should be responsible for the results caused by improper

6) DATE OF ISSUE: 25/03/2017 DATE OF EXPIRE: 3

CERTIFICATION MANAGER: [Signature]

REPÚBLICA FEDERATIVA DO BRASIL
AGÊNCIA NACIONAL DE TELECOMUNICAÇÕES.

Certificado de Homologação (ritransferível)

Nº 04392-6-02678
Válidez: Indefinida
Emissão: 15/12/2016

Solicitante: ZTT DO BRASIL, LTDA
R.OL. GENERAL BUENAVISTA, KM 12 S/N POLO MULTIPARCEL JOSE APARECIDO VIEIRA 67189-900 MARACÁI DEODORO AL

Fabricante: ZTT - JIANGSU ZHONGTIAN
Nº 5 ZHONGTIAN ROAD, NEAR NANTONG CITY, JIANGSU PR

Este documento homologa, nos termos do Regulamento para Certificação e Homologação de Produtos pela Resolução Anatel nº 242, de 30 de novembro de 2010, o Certificado de Conformidade nº 5537. Esta homologação é expedida em nome do solicitante aqui identificado e a válida somente por utilização deve observar as condições estabelecidas no regulamento (dot(s) service(s) ou aplicação(s)).

Tipos:
Conector de Fibra Óptica - Categoria III

Modelo(s)
CN-FAST-SM-SCIAPC

Serviço/Aplicação:
Serviço Telefônico Fixo Consultado - STFC

Características técnicas básicas:
Perda por inserção: Classe I;
Perda por retorno: Categoria C;
Observações:

Condição obrigatória do fabricante do produto: Brasil produzidor e identificação do produto. Regulamento Anatel nº 242, em todos os pontos comerciais, antes de ser colocado em uso, o fabricante deve observar e manter as características técnicas que foram anexadas a certificação original.

As informações constantes deste certificado de homologação podem ser confirmadas em Certificação e Homologação, disponível no portal da Anatel: (www.anatel.gov.br).

Deixe o Documento de OBRAS
Ferreira de Certificação e Numeração
Substituído

RAPPORTO DI PROVA

Campagna Nr. L18017/1
Codice Documento. TPSCSVPRUL8092051
Nr. di pagine (totali) 19

LAP Laboratorio Accreditato Prove

Oggetto: Prove di conformità alla S.T. TIM 905 di splitter ottici (1x4 - 1x8 - 1x16)

Cliente: ZTT
Prodotto: Splitter ottici
e-mail Cliente: chiara.xu@ttcable.com

LAP Technical Manager: [Signature]

Digitaly signed by Paolo Velleri
DN = Paolo Velleri
o=TPSC SV, ou=TIM S.p.A.,
email=paolo.velleri@ttcable.com
Serial=117
Date: 2018.10.03 11:32:45
+0200

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Ver: V36/2017



Thank You!

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