# Getting started with User Manual

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## Document structure

This document consists of the following chapters:

- "Getting started with User Manual" - This chapter presents the information about this document's purpose and structure.
- "Hardware Description" - This chapter describes the hardware, accessories and technical specifications of the unit.
- "Installation Procedure" - This chapter describes the steps to be taken when installing the equipment at the installation sites and installation site requirements.
- "Commissioning" - This chapter presents the actions and operations required for the initial setup of an operational point-to-point link using these units.
- "Operation & Administration" - This chapter presents the functionalities of the web interface, a simple and efficient way to monitor the device status, configure and maintain the equipment.
- "Troubleshooting" - This chapter presents the actions to be followed when investigating an occured problem.

## Abbreviations

The following abbreviations are used in this document:

- AC - Alternating Current

- AMC - Automatic Modulation Control

- BOM - Bill of Materials

- BS - Base Station

- CCTV - Closed Circuit Television

- CINR - Carrier to Interference + Noise Ratio

- CPE - Customer Premises Equipment

- DHCP - Dynamic Host Configuration Protocol

- DC - Direct Current

- ERC - Emergence Repair Console

- ETH - Ethernet

- FDD - Frequency Division Duplexing

- FTP - File Transfer Protocol

- GUI - Graphical User Interface

- HTTP - Hyper Text Transfer Protocol

- HTTPS - HyperText Transfer Protocol Secure

- IDU - Indoor Unit

- IGMP - Internet Group Multicast Protocol

- IPTV - Internet Protocol Television

- LAN - Local Area Network

- LED - Light Emitting Diode

- LOS - Line of Sight

- LPU  - Lightning Protection Unit

- MCS - Modulation and Coding Scheme

- MIB - Management Information Base

- MIMO - Multiple Input Multiple Output

- NLOS - Non-Line of Sight

- ODU - Outdoor Unit

- PCP - Priority Code Point

- PoE - Power over Ethernet

- PtMP - Point to MultiPoint

- PtP - Point-to-Point

- QAM - Quadrature Amplitude Modulation

- QoS - Quality of Service

- QPSK - Quadrature Phase Shift Keying

- RF - Radio Frequency

- RSSI - Received Signal Strength Indicator

- SFP - Small Form-factor Pluggable

- SNMP - Simple Network Management Protocol

- SNTP - Simple Network Time Protocol

- STP - Spanning Tree Protocol

- TCP - Transmission Control Protocol

- TDD - Time Division Duplexing

- Telnet - TrminaL Network

- UDP - User Datagram Protocol

- VLAN - Virtual Local Area Network

- WRR - Weighted Round Robin

## Document marks

> 🛇 **CAUTION**
>
> All caution warnings are marked with a special warning sign. One should pay a great deal of attention to what is written in the Caution section.

> ⚠ **NOTE**
>
> All notes are marked with a special note sign. Notes usually contain useful comments or hints to the described section of the document.