

Introduction to RRU Optical Modules



Overview

The main functions of the Remote Radio Unit (RRU) include: Communicating with the baseband pool (BBU) through optical fiber, including I/Q data and operation and maintenance messages. Connecting to the antenna array via RF cables to perform RF signal transmission and reception. RRU is short for remote radio unit. It also provides information about the RRU and its cables. The actual exteriors may be different. Because the base station is divided into two parts to work. Optical modules used in Remote Radio Units (RRUs) for CPRI applications are required to support industrial temperature ranges, primarily because RRUs operate in diverse outdoor environments with extreme temperature variations. This article will briefly introduce the key role and application scenarios of the CPRI specification and. RRU and BBU are crucial components in base station construction, enabling a distributed architecture that improves efficiency and reliability. In a distributed base station.

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Explore the Huawei RRU5517t Hardware Description. This guide covers RRU introduction, functions, technical specifications, ports, indicators, cables, and auxiliary devices for SRAN17.1 and later versions.



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Definition: A Remote Radio Unit (RRU) is a device used in wireless communication systems to handle radio signals. It is typically mounted on cell towers or other structures and is ...



This document provides reference for planning and deploying DC blade RRU3832 and RRU3632 (referred to as RRU in this document). It presents the exterior and describes the ports, functions, ...



RRU is short for remote radio unit. It presents the exterior and describes the ports, functions, cable types, connector specifications, and cable connections of the RRU. Product Versions The following ...



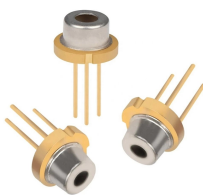
It describes the appearance and functions of the RRU, and outlines the steps for installing the RRU units, connecting the power and optical cables, and properly grounding the equipment.



SFP BIDI optical modules are used on both sides, or the DSFP optical module is used on the BBU side and the SFP BIDI optical module is used on the RRU side. The receive and transmit wavelengths of ...



These modules are installed between the BBU and RRU, converting high-speed electrical signals into optical signals for transmission via fiber, and back to electrical signals at the destination. ...



In this blog, ETU-LINK will talk about 4G base stations and common types of optical modules. The base station can be divided into two modules: the RRU for transmitting signals and the BBU for processing ...

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