

Huawei RRU equipment single-core optical module



AI Overview

Huawei RRU single-core optical modules are SFP/Bidi modules designed for high-speed optical transmission between RRUs and BBUs, supporting cost-effective, long-distance wireless network deployment.

Overview

Huawei Remote Radio Units (RRUs) convert digital baseband signals into RF signals for transmission over wireless networks. To connect RRUs to Baseband Units (BBUs), single-core optical modules (also called Bidi SFP modules) are used, enabling bidirectional data transmission over a single optical fiber, which reduces cabling complexity and installation costs (Alibaba).

Key Features

- Type: SFP (Small Form-factor Pluggable) Bidi optical module
- Transmission: Single-core fiber, supporting bidirectional communication
- Data Rate: Typically 25G or compatible with the RRU model's interface
- Compatibility: Works with Huawei RRU models such as RRU5905, RRU5909, and other 2T2R or 4T4R units (Alibaba)
- Power and Environment: Designed for outdoor deployment, IP65-rated, and energy-efficient to match RRU power amplifiers (Huaxun Telecom)
- Cost and Availability: Modules are available for wholesale or bulk purchase, with prices starting around \$7 per unit (Alibaba)

Advantages

- Reduced Fiber Usage:** Single-core Bidi modules allow both transmit and receive signals on one fiber, halving fiber requirements.
- Simplified Installation:** Easier deployment in dense urban or remote areas where fiber availability is limited.
- High Reliability:** Designed to withstand harsh environmental conditions, ensuring stable RF signal transmission.
- Flexible Network Design:** Supports multiple frequency bands and can be integrated into 3G, 4G/LTE, and 5G networks (Huaxun Telecom).

Considerations

- Distance Limitations:** Single-core Bidi modules have specific maximum transmission distances depending on wavelength and fiber type.
- Compatibility Check:** Ensure the module matches the RR...

Article Content

What Is StarryLink Optical Module? Why Do We Need It?

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra-long-distance transmission, exceptional reliability, and enhanced security,

RRU5508 (700M+900M) & RRU5508 (700M+850M)

This document provides a hardware description for the RRU5508 models (700M+900M, 700M+850M, and 800M+900M) including details on their exterior,

Huawei RRU SFP

Huawei RRU SFP module, optical transmission device, low price around \$7, minimum order of 1 unit. Suitable for wholesale, available in bulk, wireless infrastructure equipment.

Huawei 10g-1330tx/1270rx/-10km-Sm-Esfp-Rru 10g-1270tx/1330rx

Product Description 10G 10gb multimode sfp 10gb rj45 to sfp+ 10gb sfp+ module Experience exceptional network performance with the 10G optical transceiver. This top-of-the-line product, directly from

RRU5501 Hardware Description 05 PDF

For details about the RRU capability, structure, functions, installation, and maintenance of a Power Module, see the OPM50M (Ver.B) User Guide or OPM200 User Guide. Distribution Equipment The

eRRU Quick Installation Guide (V100R005C10_04) (PDF)-EN

This guide provides quick installation instructions for the eRRU device, covering setup procedures and essential configurations.

All Products and Solutions

Directory of Huawei enterprise IT infrastructure products, solutions, and services.

RRU5517t Hardware Description

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.

Single-core optical module RRU end

Huawei RRU SFP module, optical transmission device, low price around \$7, minimum order of 1 unit. Suitable for wholesale, available in bulk, wireless infrastructure equipment.

5G Remote Radio Head (RRH) Explained:

Learn about 5G Remote Radio Heads (RRH), their modules, specs, and leading manufacturers. Perfect for wireless network professionals!

HUAWEI RRU USER MANUAL Pdf Download

View and Download Huawei RRU user manual online. RRU network hardware pdf manual download. Also for: Rru3804, Rru3801e.

RRU5935E Hardware Description

Hardware description for RRU5935E remote radio unit. Details exterior, functions, ports, specs, cables, and RF connections. For installation and maintenance.

Huawei RRU

JEMSdata, acquired by 1COM in 2007, buys sells and trades network and telecom equipment worldwide in over 50 countries; Huawei Core Network, UMG8900,

Huawei 2100MHz RRU

Huawei 3G, 4G/LTE, 5G Wireless DBS BBU+RRU, Huawei Core Network, OptiX OSN8800, OSN9800 Reseller. Large inventories of Huawei EOL spare parts.

Huawei 5900 BBU and BTS Modules Explained

Focus on the BTS equipment: BBU Huawei 5900, UMPT and UBBP Focus on the BTS equipment: BBU Huawei 5900, UMPT and UBBP Today I'm sharing with you some elements that are often found in a

Nokia AirScale Base Station

Alcatel-Lucent-Nokia Optical-Transmission, Core-Network, Single RAN Wireless Mobile Networks Telecom equipment reseller at 50% to 95% off list price. We

RRU5501 Hardware Description 05 PDF

When a single-mode pigtail connects an RRU to an ODF, the breakout cables on the RRU side and ODF side are 0.03 m (0.098 ft) and 0.8 m (2.62 ft), respectively.

Optical Transmission

A series of MS-OTN transmission equipment that supports TDM, packet, and OTN services over a metro or campus optical network, providing cost-effective

Optical Transmission

Application Scenarios Industry Optical Communication Network Huawei's Industry Optical Communication Network uses the latest fgOTN and OSU hard pipe

Single-core optical module RRU end

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.

Huawei White Paper on Innovation and Intellectual Property(2020)

Motorola purchased USD880 million worth of advanced core network and wireless access equipment from Huawei, and Huawei provided access to many trade secrets and technical information to

Huawei RRU Fiber

Deploying huawei rru fiber in harsh environments presents challenges such as extreme temperatures, humidity, and precipitation. Equipment must be robust and designed to withstand these conditions to

Huawei RRU Module

Huawei RRU modules feature a compact, modular design that simplifies installation and reduces space requirements on towers and rooftops. Despite their small footprint, they deliver high linearity, which is

RRU5501 1800MHz

A 35-year history with hundreds of satisfied clients worldwide assures quick and prompt delivery of equipment, and/or needed services providing customers with NEW-Over-stock surplus Huawei

Huawei RRU3942 Hardware Description

View and Download Huawei RRU3942 hardware description online. RRU3942 accessories pdf manual download.

RRU 5301 Hardware Description | PDF | Optical Fiber

An optical module transmits optical signals between an optical port and an optical fiber. Optical modules can be classified as single-mode and multimode optical

RRU5905& RRU5905w& RRU5305 (1.4G) Hardware

Distribution Equipment The ODM03D is small distribution equipment, which supports RRU capacity expansion, power cable reuse, and fiber optic cable reuse. For

Huawei Rru Fiber Explained: Key Specifications, Features, and

Types of Fiber for Huawei RRU The Huawei RRU Fiber Kit (Remote Radio Unit) supports various fiber optic cable types to ensure efficient, high-speed, and reliable long-distance data

Contact Us

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