

What optical module should be used at the RRU end

Preview

In 4G network, the optical modules used to connect bbu and rru are mainly Gigabit to 10 Gigabit optical modules; in 5G network, the interfaces between bbu and rru are such as cpri (Common Public Radio Interface) or ecpri (Enhanced Common Public Radio Interface). 25G SFP optical module adopts the wavelength of 850nm, with an operating. The base station can be divided into two modules: the RRU for transmitting signals and the BBU for processing signals. 2 RRU Cables The RRU cables include the PGND cable, power cable, AISG multi-wire cable, AISG extension cable, CPRI optical cable, RF jumper, and alarm cable. Issue 08 (2009-06-30) Huawei Proprietary and Confidential Copyright (C) Huawei Technologies Co. In 5G networks, CPRI is also upgraded to eCPRI. The exteriors of components and cables in this document are for reference only.

o The performance of an optical module that is exposed to air for more than 20 minutes may be abnormal. Therefore, you must insert an optical fiber into an unpacked optical module within

The base station can be divided into two modules: the RRU for transmitting signals and the BBU for processing signals. The BBU is small and exquisite, with low

Remote Radio Unit (RRU) - an enclosed radio transceiver with the baseband and control interfaces exposed to allow for remote control. Usually, these devices are

The type of cable used can significantly impact the overall performance of the wireless network. Traditional copper cables, while effective, are increasingly being supplemented or replaced

The document provides instructions for installing RRU, DBS, BTS and TMA equipment and their associated cables. It describes the appearance and

Explore 5G Remote Radio Head (RRH) basics, internal modules, specifications, and key manufacturers for wireless network deployments.

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The optical module provides an interface for optical-electrical conversion, thus enabling transmission through optical fibers between the RRU and other devices.

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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

A Remote Radio Unit (RRU), also known as a Remote Radio Head (RRH) is a transceiver deployed on base stations. A transceiver combines the

In addition, the optical module in the base station can also be used to achieve fiber backhaul connection, the base station signal back to the data center or the operator's core network,

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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

Optical modules can be classified into single-mode and multimode optical modules, which can be distinguished as follows: The puller of a single-mode optical module is blue and the puller of a

Therefore, when the field optical cable is connected to the AAU, an outdoor quick-lock connector should be used to fix the sheath of the field optical cable to avoid direct stress on the

RRU and BBU are crucial components in base station construction, enabling a distributed architecture that improves efficiency.

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