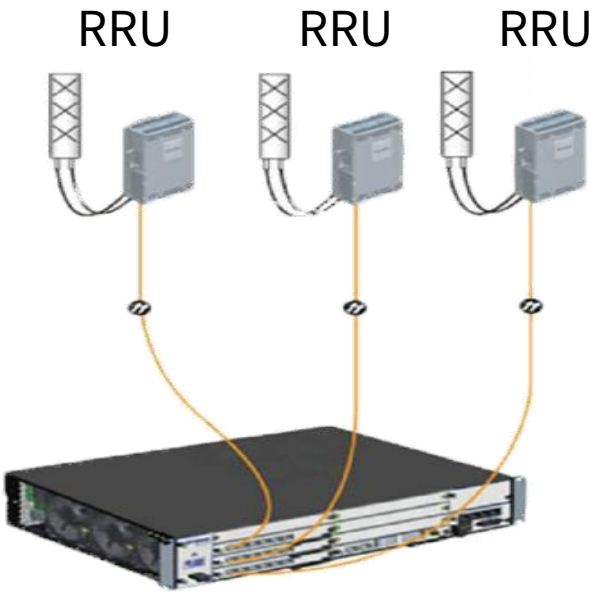
DBS5900-G

Data Sheet



DBS5900-G is a new generation distributed base station solution for 5G. DBS5900-G series base station contains BBU5900 and 5000 series RF modules. Compared with the previous generation BBU3910, the BBU5900 improves the backplane switching ability by 4 times, supports 5G networks with large bandwidth Massive MIMO, and supports more powerful baseband boards to meet the needs of long-term station evolution.

High integration

low power consumption

fast installation

flexible scene

BBU

The BBU5900-G is a baseband control unit whose main functions include:

- Centralized management of the base station system, including operation and maintenance, signaling processing and system clock;
- Provide the physical interface to the transmission network and the maintenance channel connected to the OMC;
- The function of uplink and downlink data baseband processing is completed, and the CPRI interface for communication with the RF module is provided;
- Provide communication interface with environmental monitoring equipment to receive and forward signals from environmental monitoring equipment.

Technical Specifications

Board user specifications

Board name	Number of RRC connections (NR)	Number of RRC connections (NR/LTE dual mode)
UMPTg3 master board	14400	NR: 7200 LTE: 14400
UBBPg3b baseband board	NR FDD: 3600(600 for single cell) NR TDD: 3600(single cell 1200)	NR: 1800 LTE5/10/15/20M: 3600

BBU box specifications

Specification Description	Specifications
Power supply type	-48V DC
Dimensions (H x W x D)	86mm × 442mm × 310mm
Weight (kg)	18 (full fit)
Operating temperature	Long-term: -20°C ~ + 55°C
Air pressure	70kPa to 106kPa

* The pictures, technical parameters and instructions displayed in the product promotion are for reference only, and the specific products are subject to the actual delivery.

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