
5G EU SEUH3110

Product Specification

Version: V1.0

Version History

Version	Date	Remark
V1.0		Original Version

Catalogue

1. Overview.....	4
1.1 Overview.....	4
1.2 Highlights.....	4
2. Technical Specifications	4
2.1 Technical Specifications	4
2.2 Connectors and Ports	4
2.3 Main Indicators	4
2.4 Dimension.....	5
2.5 Electrical Characteristics	5
2.6 Environmental.....	6
2.7 Electromagnetic Compatibility	6
2.8 Reliability.....	6
3. More Support	Ошибка! Закладка не определена.

1. Overview

1.1 Overview

The 5G EU(Expansion Unit) is mainly used for 5G indoor network coverage, receives the downlink baseband data from BBU and transmits the data to the pRRU, and also transmit the uplink baseband data of the pRRU to the BBU to complete the communication with the BBU. The EU remote expansion unit has a built-in power supply circuit, which supplies power to the pRRU.

1.2 Highlights

- Supports two levels of cascading
- 1 EU supports 8 RRUs
- Supports independent power supply for RRU

2. Technical Specifications

2.1 Technical Specifications

Item	Specifications
Standard	5G NR
Carrier Bandwidth	100MHz/80MHz/60MHz/40MHz/20MHz/10MHz
pRRU	≥ 8 pRRU interfaces, maximum 12
Synchronization	Supports synchronization by BBU syncE/1588V2
Distance from BBU	≥ 2KM
Distance from RRU	≥ 200m
Cascading	2

Table 2-1 EU Technical Specification

2.2 Connectors and Ports

Item	Specification	Type	Qty
fronthaul /expansion port	optical port, 10Gbps, connected to BBU or EU	SFP+	4
RRU optical port	optical port, 10Gbps	SFP+	8
EU-RRU Power Supply	70W/port, optic-electric composite cable	2 pin 5.08mm pitch	8
LMT	100/1000M power grid port, RJ45 1 for local debugging	RJ45	1

Table 2-2 Connectors and Ports

2.3 Main Indicators

Logo	Qty	Function	Color	Status	Remark
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RUN	1	Run Indicator	Green	Slow flashing: the system is running properly or a minor alarm is generated Flashing quickly: a major alarm is generated
ALM	1	Alarm Indicator	red	Slow flashing: a minor alarm is generated Flashing quickly: a major alarm is generated
BU /EU (1-4)	4	optical indicator	Green	Flashing: The link is locked On: There is an optical signal, but the link is unlocked Off: No optical signal is received
RRU (1-12)	12	optical indicator	Green	Flashing: The link is locked On: There is an optical signal, but the link is unlocked Off: No optical signal is received

Table 2-3 Main Indicators

2.4 Dimension

Item	Specification
Size(Width*Height*Depth, mm)	483mm *338mm *44.5mm
Weight(Kilogram)	< 8 kg

Table 2-4 Dimension

2.5 Electrical Characteristics

2.5.1 Input voltage specifications

Item	Specification	Remark
220V AC (85V ~ 288V)	AC power module	

Table 2-5 Input voltage specifications

2.5.2 Power Consumption Specifications

configuration	Power consumption (W)
without RRU	<50W
With RRU	<50W+RRU power consumption × quantity

Table 2-6 Power Consumption Specifications

2.6 Environmental

Item	Specifications
Temperature	- 5 ~ +55° C
Humidity	5% ~ 95%
IP Grade	IP31
Air Pressure	70 ~ 106 kPa

Table 2-7 Environmental

2.7 Electromagnetic Compatibility

Support 3GPP TS 38.113 (2017-12 R15)

2.8 Reliability

Item	Index
Annual failure rate	<2%

Table 2-8 Reliability