

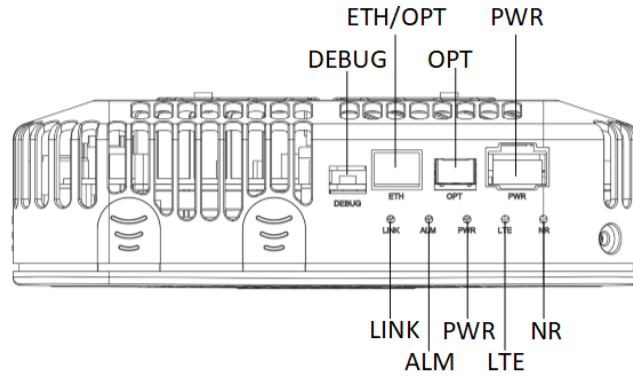
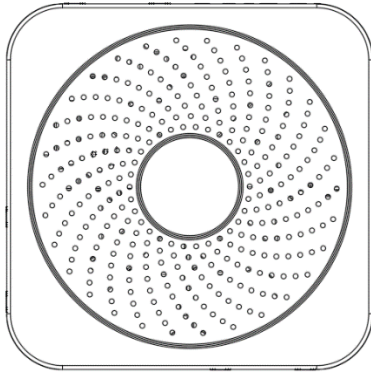
Gamma430 RRU

Quick Guide

P/N: 1701000227

Document version: 02

1.Appearance



Gamma632 Interface Description

DEBUG	Micro-HDMI interface, used for device maintenance
ETH/OPT	10 Gigabit Ethernet/optical interface (SFP), used for data backhaul
OPT	Optical interface (SFP), used for data backhaul
PWR	-40VDC to 57VDC, nominal -48VDC power supply/PoE++

Gamma632 Interface Indicators

LINK	Green	Steady On	Carrier has been activated.
		OFF	Carrier has not been activated.
ALM	Red	Steady On	Reserved
		Fast flash: 0.125s on,0.125s off	Hardware alarm
		Slow flash: 1s on,1s off	Other alarms
PWR	Green	Steady On	Power on
		OFF	No power supply
LTE	Green	Steady On	Synchronizing is normal.
		Fast flash: 0.125s on,0.125s off	Synchronizing is abnormal.
		Slow flash: 1s on,1s off	Optical module does not connect.
NR	Green	Steady On	Synchronizing is normal.
		Fast flash: 0.125s on,0.125s off	Synchronizing is abnormal.
		Slow flash: 1s on,1s off	Optical module does not connect.

2. Install RRU

To get the signal coverage effect best, place the Gamma430 in an unobstructed space. It can be installed on ceiling or wall.

2.1 Installation Tool

			
Marker pen	Percussion drill	Cross screw driver	hammer

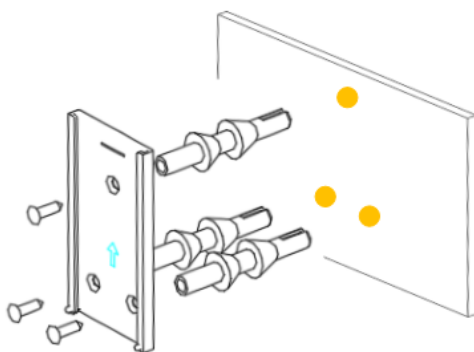
Note: Other accessories have been packed in the packing box.

2.2 Install on Ceiling or Wall

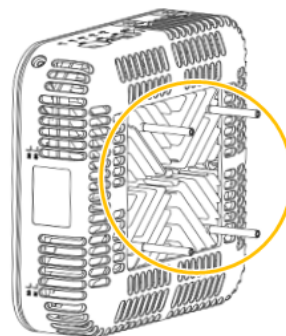
Attention:

- The thickness of ceiling is not less than 18mm, and bearing more than 5kg. If the strength is not suitable, the device maybe fall off.
 - If the ceiling is made of unstable material, such as gypsum, this ceiling installation is not recommended. If the device must be installed on ceiling due to environment restriction, add one layer better panel under screws to make sure the device is fastness.
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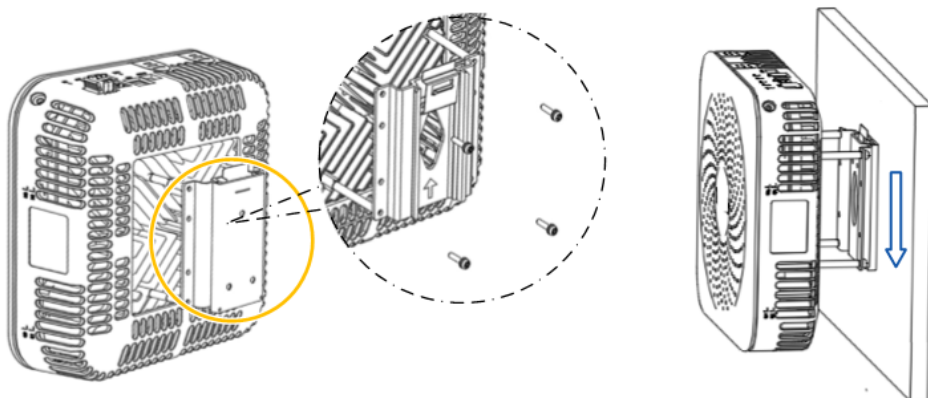
NOTE: Here take mounting on wall as an example, mounting on ceiling is the same as it.



- 1 Put the bracket against the wall and mark the position, and then drill three holes. Later install expansion pipe, bracket and tighten with screws.



- 2 Install four screw rods to the back of the RRU and tighten them.

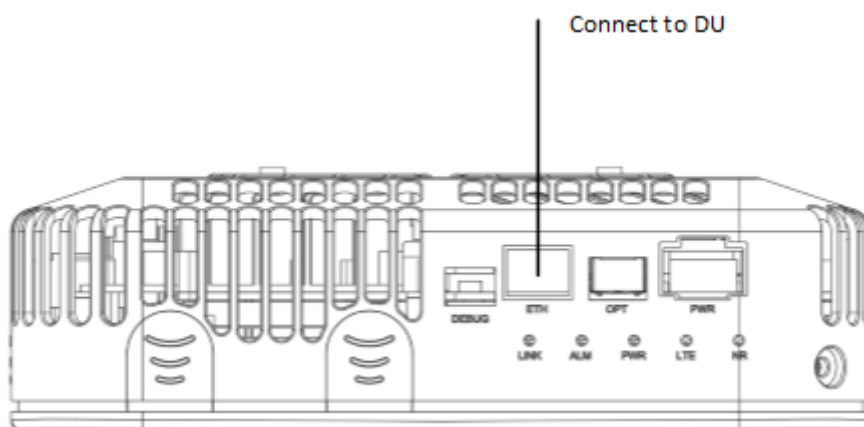


3 Mount the bracket on the screw rods and tighten the four screws.

4 Put the RRU from top to bottom along the slot and push to the bottom, and then clamp the spring sheet.

2.3 Connect Cable

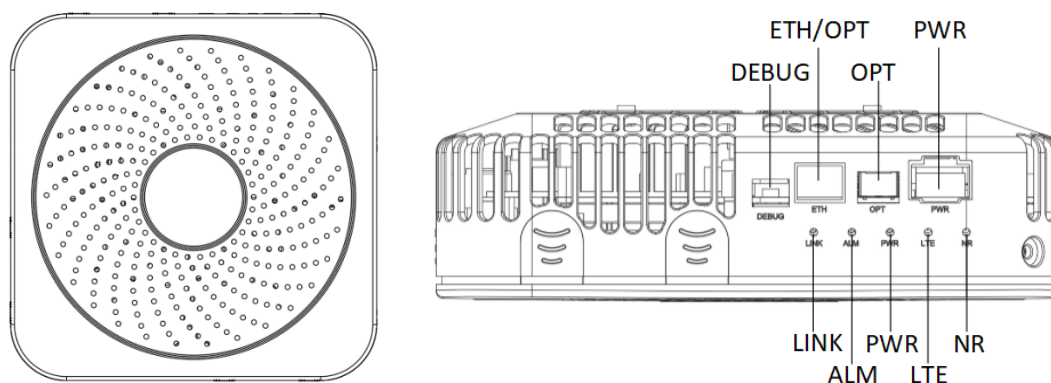
Connect RRU to DU by ETH port.



2.4 Power ON

Power the device, indicators can hint the status of the RRU.

1. 产品外观



Gamma430 接口说明

DEBUG	Micro-HDMI接口，用于设备维护
ETH/OPT	10GE接口/光口（SFP），用于数据回传
OPT	光纤接口（SFP），用于数据回传
PWR	-40VDC ~57VDC电源接口/PoE++

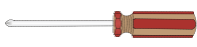
Gamma430 指示灯说明

LINK	绿色	常亮	载波已激活
		常灭	载波未激活
ALM	红色	常亮	预留
		快闪：0.125s亮，0.125s灭	硬件告警
		慢闪：1s亮，1s灭	其他告警
PWR	绿色	常亮	有电源输入
		常灭	无电源输入
LTE	绿色	常亮	同步正常
		快闪：0.125s亮，0.125s灭	未同步
		慢闪：1s亮，1s灭	光模块未连接
NR	绿色	常亮	同步正常
		快闪：0.125s亮，0.125s灭	未同步
		慢闪：1s亮，1s灭	光模块未连接

2. 安装 RRU

为了使信号覆盖效果达到最佳，请将设备安装在无遮挡区域。Gamma430 RRU 可以安装在天花板或墙壁。

2.1 安装工具

			
马克笔	冲击钻	十字螺丝刀	锤子

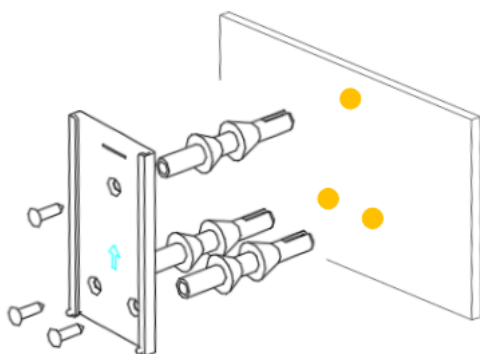
说明：其他配件随设备发货。

2.2 安装于天花板或墙壁

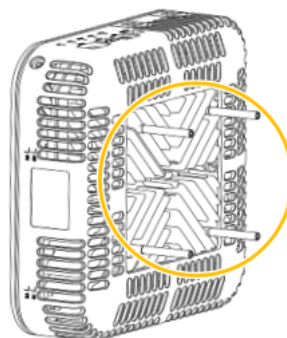
注意：

- 要求天花板厚度小于 18mm，且至少可以承重 5kg 以上。如果不能确保适当的强度，可能造成产品坠落。
- 若天花板是由强度较弱的材料制成，如石膏，不能使用此安装方式。如果由于环境限制必须采用此安装方式，请在螺母下增加一层强度较好的板材，以确保设备安装牢固。

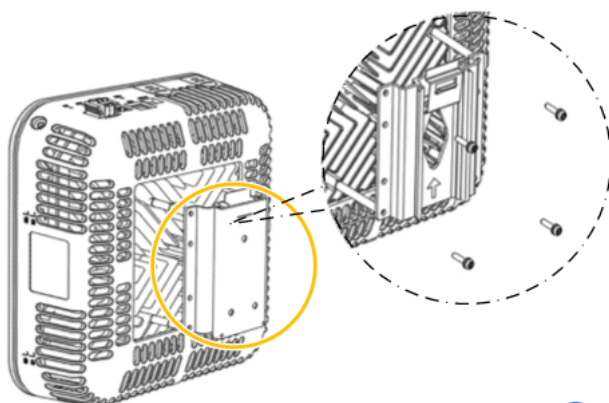
说明：此处已挂墙安装为例说明，天花板安装与此相同。



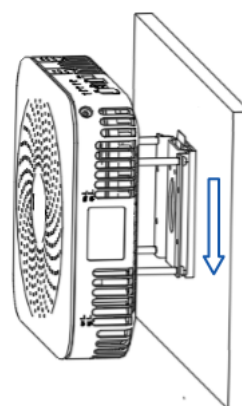
- 1 将支架靠在墙上，用记号笔标记打孔位置，然后用冲击钻按标记钻3个孔，安装膨胀管、支架并用螺钉拧紧。



- 2 将4根螺杆安装到RRU背面并拧紧。



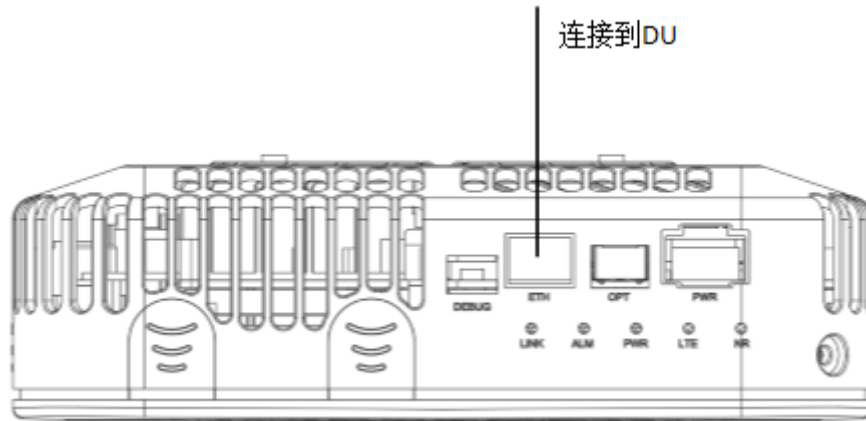
- 3 将支架安装到螺杆上，并拧紧四颗螺钉。



- 4 沿卡槽从上向下放入RRU，推到底并卡紧弹簧片。

2.3 连接线缆

通过 ETH 口将线缆连接到 DU。



2.4 上电

设备上电，通过 LED 指示灯查看 RRU 当前状态。