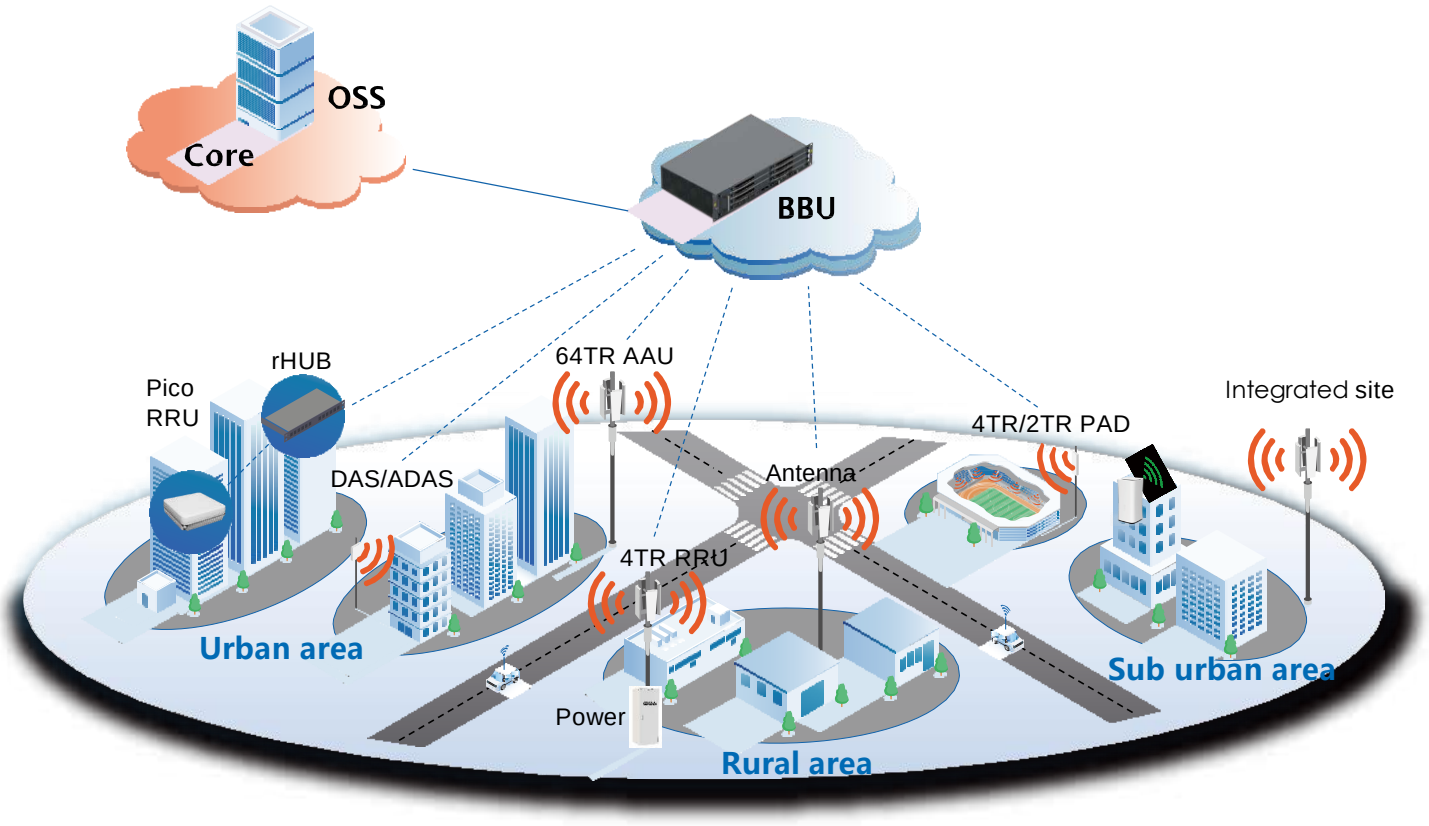
FiberHome

E2E Solution and Portfolio

CATALOGUE

2026

E2E Solution



Outdoor Macro Coverage

- Urban area: 64TR AAU for high-rise and high capacity scenario. 32TR AAU for medium-rise buildings.
- Suburban area: 32TR AAU or 8TR/4TR RRU based on performance and cost.
- Rural area: 8TR/4TR RRU for wide coverage.

Indoor coverage

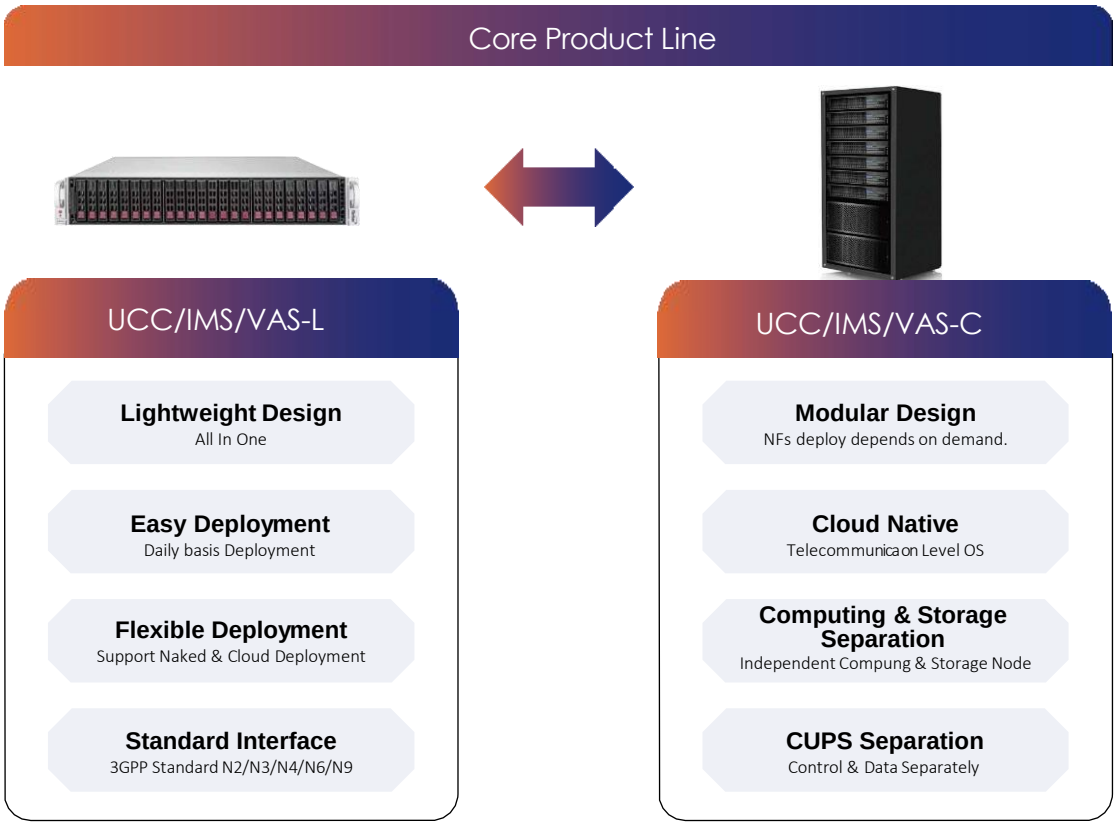
- High-capacity and high-value area; 4TR PICO.
- Medium or low capacity area: 2TR PICO.

Micro coverage

- Hot spots & blind area; PAD/Pole /mmWave.

Core Solution

Core Product – UCC/IMS/VAS



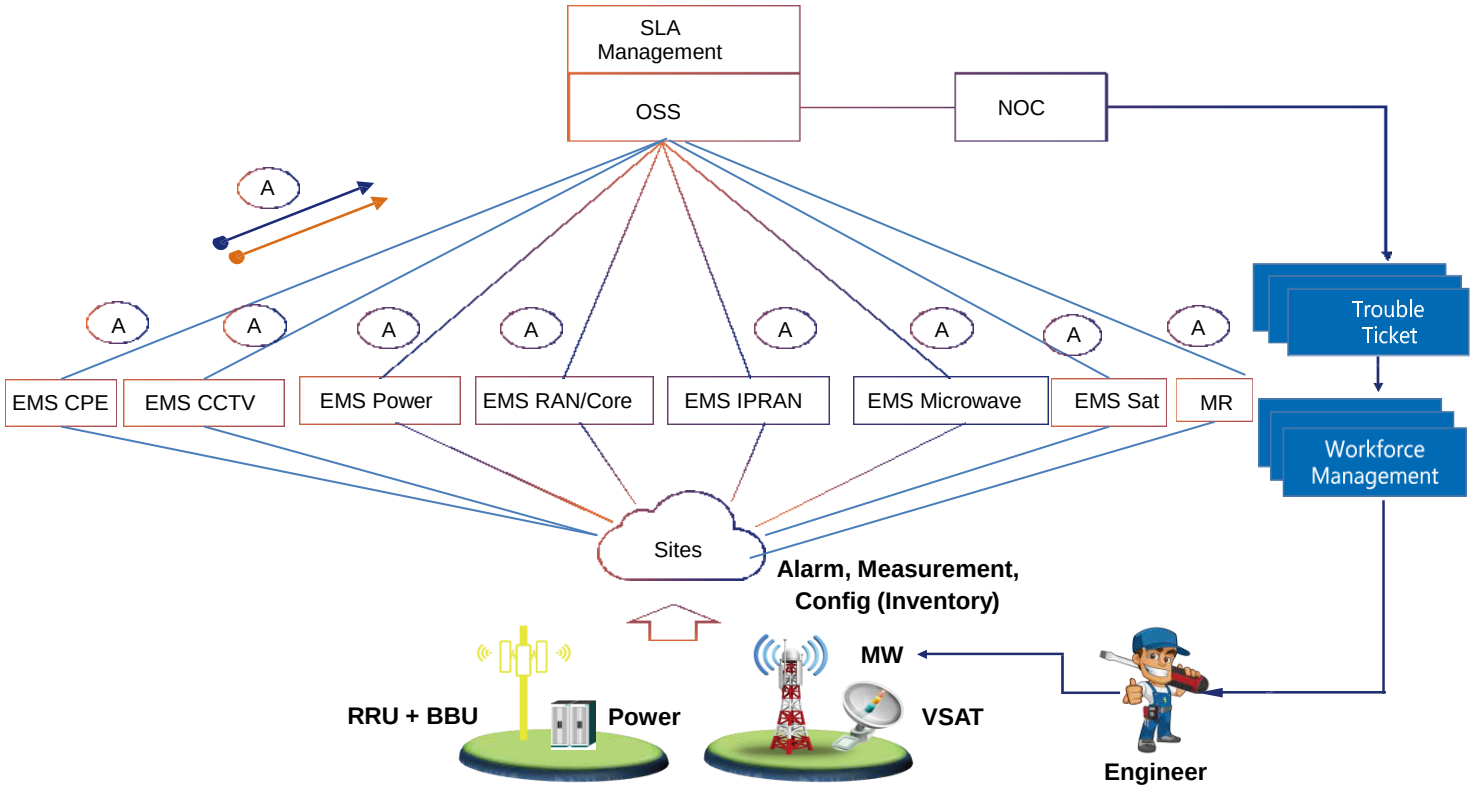
UCC/IMS/VAS-L

Specification	Parameter	
Capacity	Registration Subs	30,000
	gNB/eNB Station	300
	Throughput	20 Gbps
	IMS CAPS	10,000 CAPS
	SMS MPS	500 MPS
3GPP Release	R16	
Hardware Architecture	X86 & ARM	

UCC/IMS/VAS-C

Specification	Parameter	
Capacity	Registration Subs	1,000,000
	gNB/eNB Station	10,000
	Throughput	200 Gbps
	IMS CAPS	300,000 CAPS
	SMS MPS	2,000 MPS
3GPP Release	R16	
Hardware Architecture	X86 & ARM	

OSS Solution



Feature

- Support the docking with the EMS of RAN,Core, IPRAN, microwave , CCTV, Satellite , CPE ,MR and Power system.
- Support service work order customization and alarm auto-assignment function.
- Support offsite disaster recovery deployment with high reliability.
- Provide energy-saving strategies for each site and realize intelligent energy-saving effect at the network level for 5G sites with high energy consumption.

Wireless Solution

Meet the coverage needs of various scenarios in urban, hotspots, suburban, rural areas, etc.Enabling operators to rapidly and accurately deploy low-cost, high-performing 5G networks.

- **4/5G Dual-mode BBU**

- **5GC**

- **EMS OSS**

64TR

- 2.3G 320W/100M
- 2.6G 320W/160M
- 3.5G 320W/200M
- 4.9G 200W/100M

32TR

- 2.3G 320W/100M
- 2.6G 320W/160M
- 3.5G 320W/200M
- 3.5G 320W/600M

- **Dense Urban/Urban**
- **Urban/Suburban**

Macro coverage

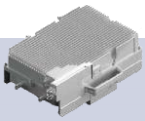
Wireless Solution

4TR

- 700M 320W/45M
- 800M 240W/30M
- 700M+850M 400W/65M
- 2.1G 320W/55M
- 2.1G+1.8G 320W/110M
- 2.6G 240W/70M

8TR

- 1.4G 320W/100M
- 2.3G 320W/100M
- 2.6G 320W/160M
- 2.6G 320W/40M
- 3.5G 320W/200M



2TR

- 2.6G 320W/160M
- 2.1G 160W/55M

- **Rural area**
- **Rural /LTE&NR Mode**
- **Low cost Indoor coverage**

Macro coverage

4TR PICO

- 2.6G+1.8G+2.3G
- 2.6G (N38)
- 3.5G+1.8G+2.1G

2TR PICO

- 2.6G+1.8G
- 3.5G+2.1G
- 3.5G+1.8G

4TR PICO

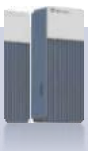
- 5.8G 2W/100M

- **High Capacity**
- **Medium/low capacity**
- **Vertical Industry**

Indoor Coverage

4TR Micro station

- 2.6G+1.8G
- 3.5G+2.1G
- 3.5G+1.8G
- 2.6G / 3.5G



4TR mmW

- 26G 200W/800M

4TR Micro

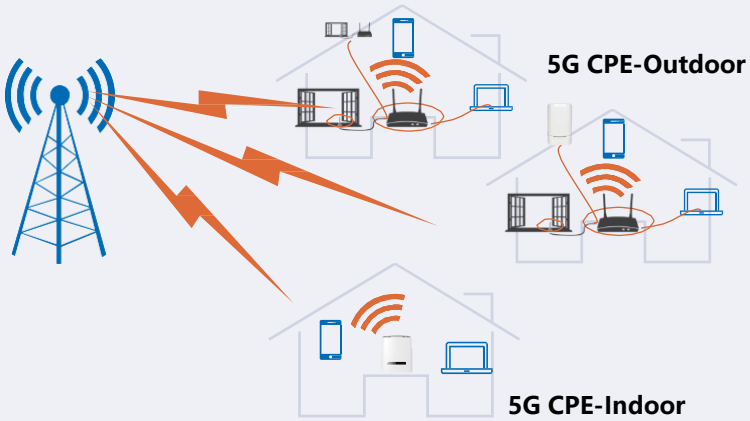
- 5.8G 20W/200M

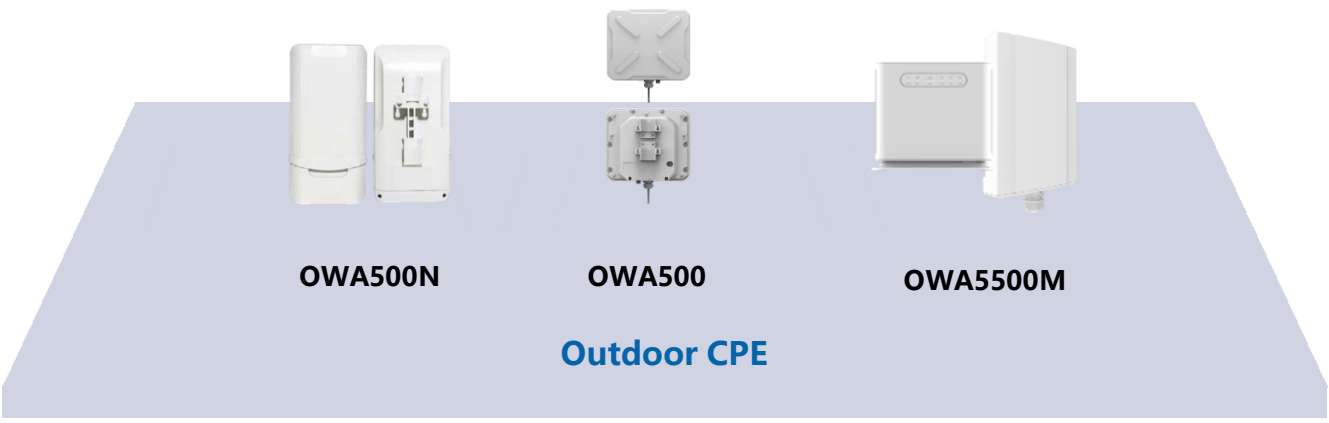
- **Hot Spots & Blind area**
- **High traffic**
- **Vertical industry**

Micro coverage

FWA solution

FWA is a new choice for broad-band ecology . The commercial-ization of FWA drive operator ARPU improvement.
5G + FWA enables the leap of home HD TV and smart home popularity, make the digital twin world possible





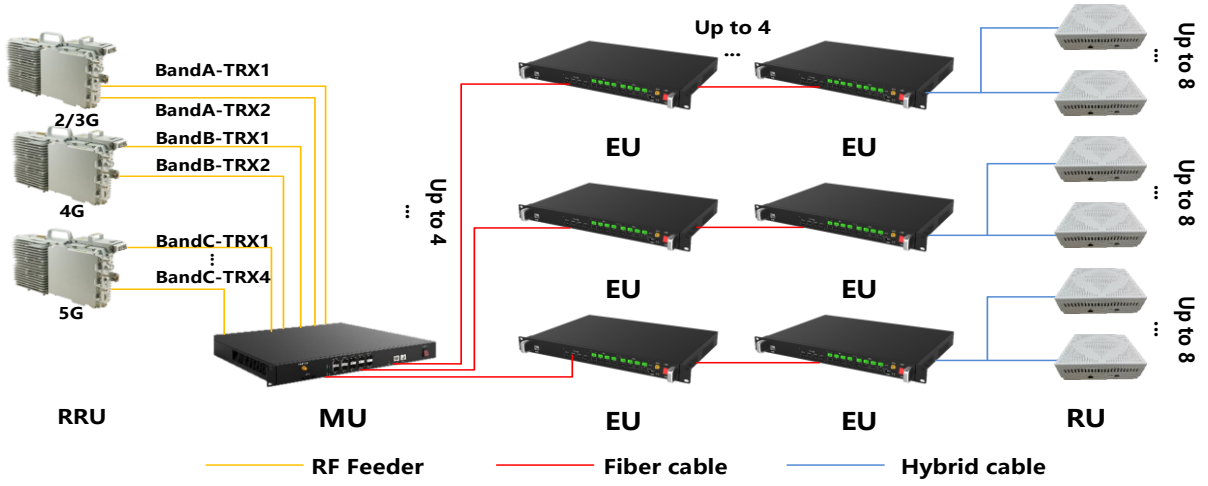
Integrated Site Solution

- Basic communication with family members
- More equal access to educational resources through the Internet

- Provide broadband access services for rural areas, deserts, mountainous areas, and other areas.
- Integrated antenna, base station, and power supply on one pole
- Provide customers with a one-site solution.
- Easy to construct and can be Installed by one person
- Less Expensive, 60% savings

	Integrated Base Station
Frequency band	FDD NR 700M TDD LTE/NR 2.3G/2.6G
Channels	2T2R/4T4R
Output power	2×60W/4×50W
Bandwidth	700M：45MHz 2.3G：100MHz 2.6GHz：194MHz
Capacity	400 activated & 600 connected users per cell

ADAS



Product

Master Unit

- RF Signal to Optical Signal
- Tri-band multimode, 8 channels,
- support slave MU cascaded

Extension Unit

- Support 4 link EU cascaded
- Support RUA+RUB hybrid linkage
- Support 8 RUs start link

Remote Unit

- Optical signal to RF signal
- Output power：23dBm/channel
- LTE is 2T2R, NR 4T4R maximum
- Tri-band multimode, 8 channels

Features

- Cost Down

Support multi-operators and multi-modes sharing.

No software updating fee, easy deployment.

- Energy saving

Deep sleep mode in specified time duration.

Close the idle bands channel and carriers.

- Networking capability

Support star and chain networking，128 RUs maximum.

Transmission distance from MU to RU reaches 20Km.

- Monitoring capability

automatically number, topology, time delay calibration.

PC, APP and WIFI access management equipment.

Integrated Base Station

Product

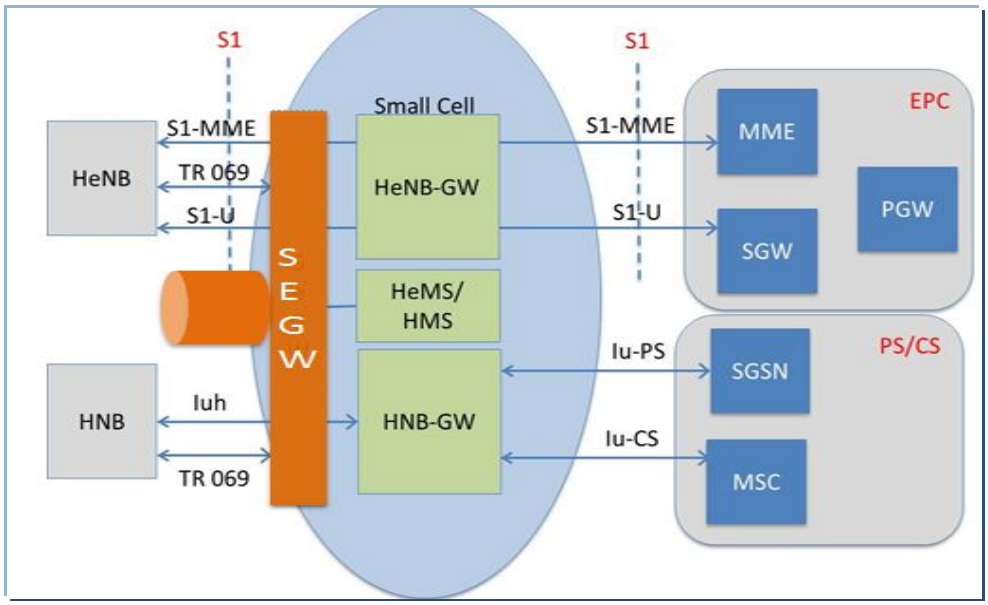
4TR single frequency station (700M/2.3G/2.6G)

- Applied to cities and suburbs, building new stations
- Supports 4T4R and LTE dual carriers

4TR dual frequency station (700M+900M)

- Applied to rural coverage or supplementary coverage
- Build new dual frequency station，existing 4G equipment relocated and reused.

Gateway



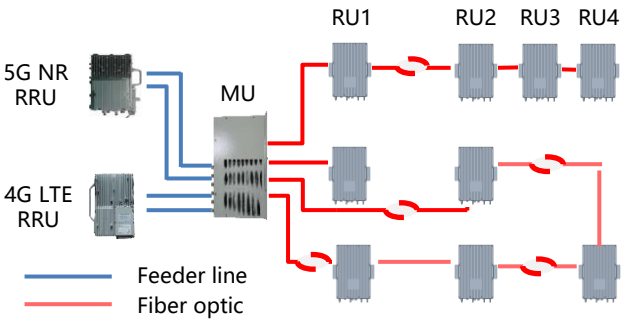
Network Architecture

- Common platform for 4G and 5G small cells
- Including security gateway , signaling gateway, data gateway, and gateway maintenance management unit
- Support VoLTE through small cell deployment

Dimension	1U 483mm*420mm*44mm	
Power Consumption	600W 1+1 redundant PSUs	
Hardware Platform	Based on x86 Framework server	
Performance	SeGW	20/40Gb throughout 10,000 Ipsec tunnels 10,000 SCTP connection 5000 HeNB access per second
	4G HeGW	200,000 HeNB access 5000 HeNB access per second 5000 UE access per second

Repeater

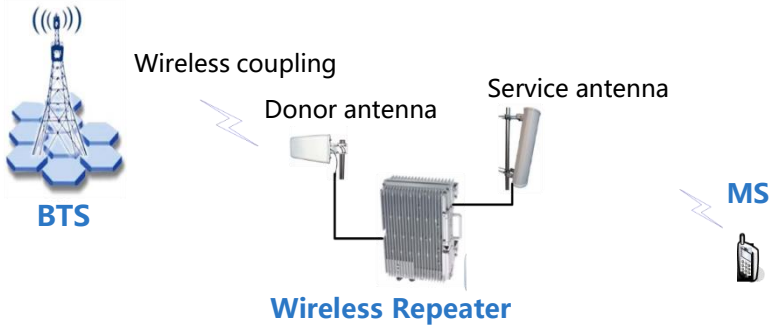
The fiber optic repeater



Product	800M/900 M	2.1G	2.1G+1.8G	3.5G+1.8G
Frequency band	869~880 934~960	2110~2170	2110~2170 1830~1880	3400~3600 1830~1880
Working bandwidth	11M/26M	45M/55M	55M+50M	100M+50 M
Output power	60W	60W	60W	20W
Channels	2TR	2TR	1TR+1TR	2TR

The wireless repeater

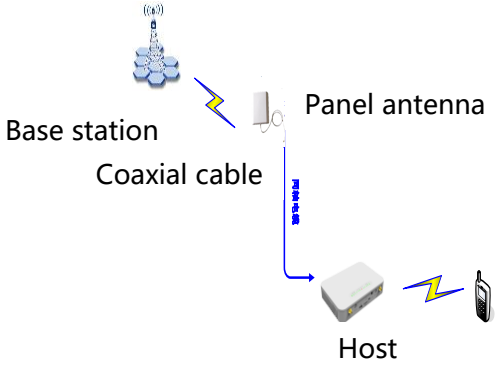
High power Type



- No requirement of fiber optical resource
- Suitable for village, suburb low value scenario
- Frequency band can be customized
- Support ICS FDD+TDD with 5G NR
- Support NMS for configuring and alarming

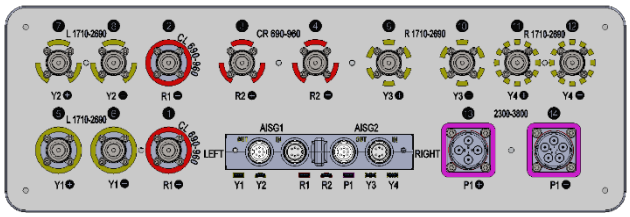
Low power Type

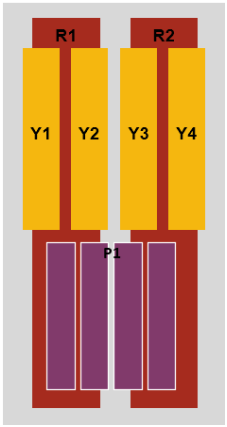
Scenario	Small and medium sized mart （≤500 ㎡）
Band parameters	5G+4G 50mW
Related Products	Donor/server antenna, Host Small size, adaptive adjustment of gain



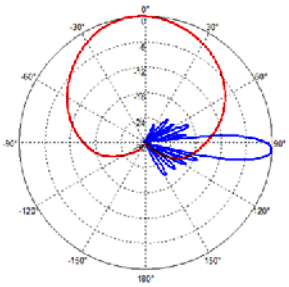
Antenna

20-Ports 2L4H+8TR Antenna, 2x690-960/4x1710-2690/4x2300-3800 MHz
2x65° /4x65° /4x90° 2x16.4/4x18.4/4x15.0 dBi 2.095 m
E-Tilt: 2-12/2-12/2-12/2-12/2-12/2-12/2-12/2-12, Integrated RCU

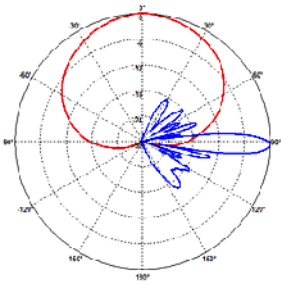




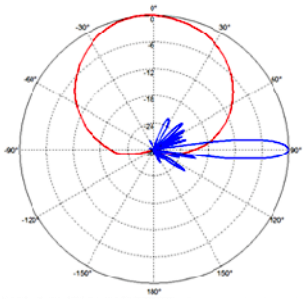
Pattern sample for reference:



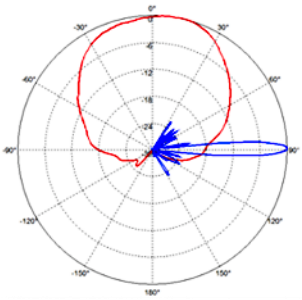
R1/R2: 690-960MHz



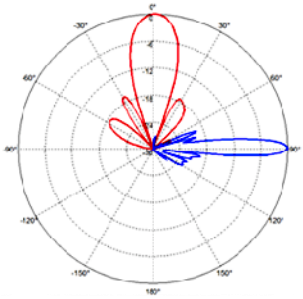
Y1/Y4: 1710-2690MHz



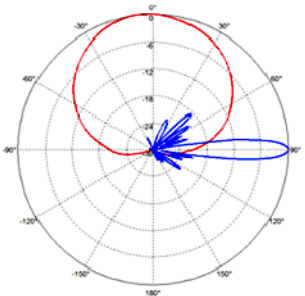
Single column
P1: 2300-2690MHz



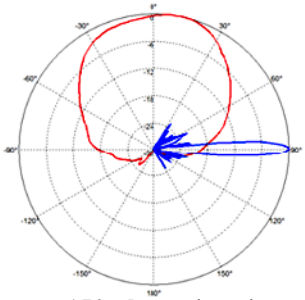
65° Broadcast
P1: 2300-2690MHz



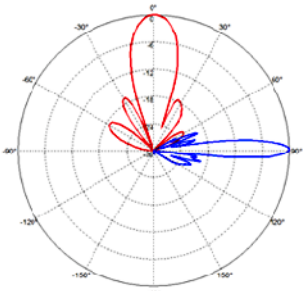
Service 0° P1: 2300-2690MHz



Single column
P1: 3300-3800MHz



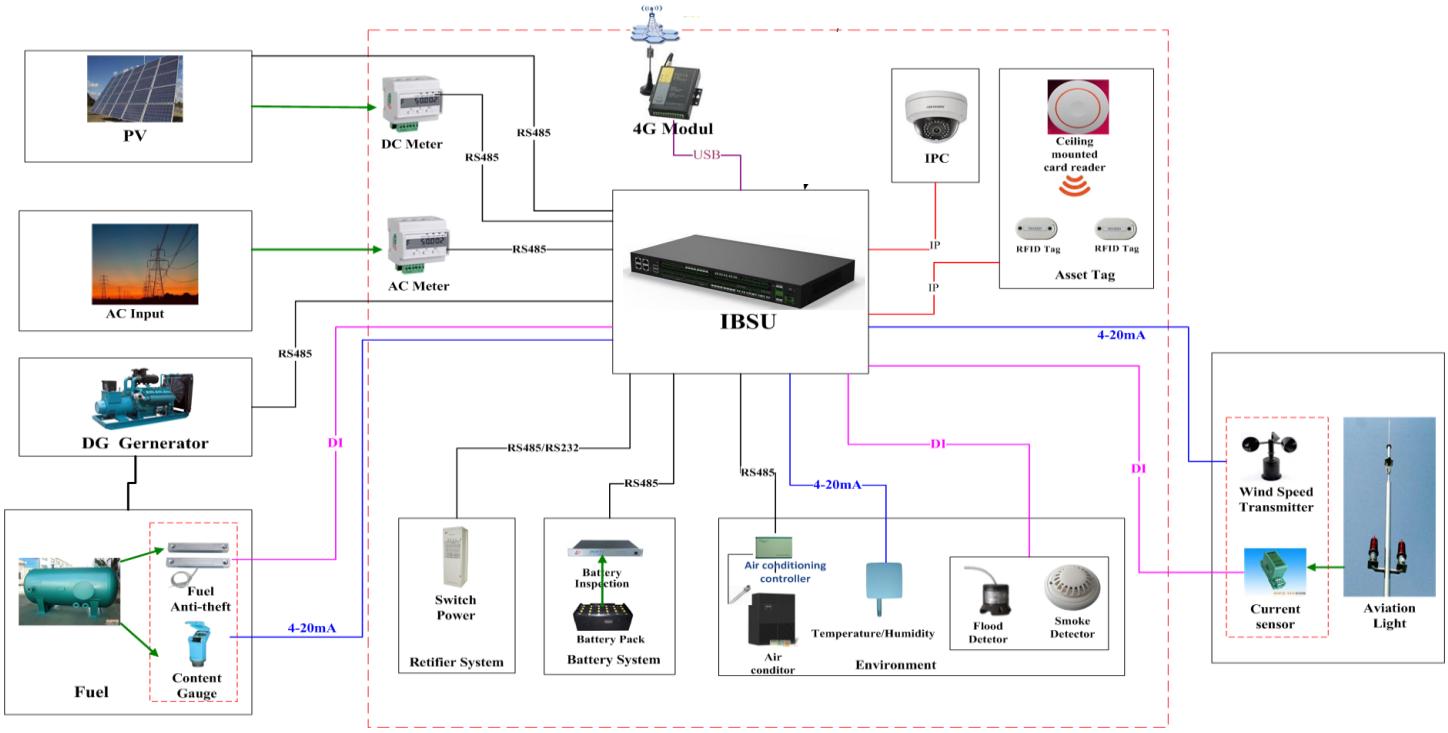
65° Broadcast
P1: 3300-3800MHz



Service 0°
P1: 3300-3800MHz

Mechanical Specifications	
RET type	Integrated RET (AISG2.0/3GPP)
AISG Connectors (2 in 2 out)	4x8 pin (in: Male; out: Female)
Connector	12x 4.3-10 Female, 1×MQ4 Male+1×MQ5 Male Bottom
Antenna dimensions (H x W x D) (mm)	2095 x 500 x 160
Antenna weight (kg)	39.2
Diameter of installation pole (mm)	ϕ50 ~ϕ125
Radome material	Fiberglass
Radome color	Light grey
Operational temperature (℃)	-40 to +70
Wind load at 42m/s (N)	1636/ 392/ 1636 (Frontal/ Lateral/ Rearal)
Max. operational wind speed (km/h)	200

Remote Monitoring System Solution



Product

Standard RMS

- The mini-RMS product is integrated form of motherboard and business board, with IP65 waterproof and AC/DC compatible input design.

- Micro RMS is used to monitor the urban power scene only. Nother interfaces, and the product only supports NB transmission

Features

- Support unified interconnection B interfaces;
- 2/3/4G wireless internet access, with L2TP VPN based secondary dial-up networking capability;
- Supporting local RJ45 ports for online registration;
- Support breakpoint continuation of local data and images;
- Support 128 remote users, 3 remote data receiving centers, and 1 remote monitoring center.

Solar Power Solution For Telecom

Features

- Environmental friendly and no GHG produced;
- No fuel delivery and theft problems;
- Easy to install;
- Great reliability, less maintenance and low OPEX;
- Best MPPT energy harvest;
- Intelligent battery management;
- Integrated remote monitoring.

- Fully replaceable with current batteries (Lead-acid, Ni-Cd)
- Longer cycle life 6000 cycles@80%DOD.
- Built-in BMS management system with interface RS485/RS232

Product

- Higher output power & Lower attenuation
- Better energy generation under shading effect
- Lower risk of hot spot
- Better performance under high temperature and irradiation conditions

- Excellent MPPT maximum power point tracking technology, tracking efficiency is not less than 99%
- Adopting high speed computing technology to improve system performance, the maximum conversion rate reach to 98%

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Your reliable partner to brighten the future network