EasygNB gNodeB

PRIVATE 5G SA MID-POWER INTEGRATED SMALL CELL

Key Features

EasygNB mid-power outdoor integrated Small Cell offers localized coverage in high-density areas or where macro base stations face limitations. Quick & Easy to install, these cost-effective compact Small Cell requires less power and have lower deployment costs.

This mid-power (5W, variable) **gNodeB** supports high data rates up to 800Mbps to range greater than 1,5km with a high gain antenna. **EasygNB** can effectively and cost efficiently provide large area local coverage mounted on a pole due to its light weight (<7kg).

Advantages

- ☑ Supports MIMO 2T2R with 100 MHz bandwidth
- ☑ Up to 800 Mbps throughput downlink
- ☑ Support 128 active users per cell
- ☑ Remote management through OMC network management system
- ☑ Support MOCN function
- ☑ IP66
- ☑ Quick installation and deployment

Specifications

Product details	
Standard	3GPP TS 38 104 V16.17.0 R16
Networking	5G NR SA
Frequency	N77: 3800-4100MHz
Bandwidth	40/60/80/100MHz
Modulation	256 QAM/256 QAM (DL/UL)
MIMO	2T2R
SCS	30KHz
Output Power	37dBm±2dBm/Channel
Max user	128 active users / 128 connected users
EVM	256 QAM <=3,5%
Peak Data Rate	DL 800Mbps (DDDDDDDSUU), UL 400Mbps (DSUUU)
Duplexing	Supports Multiple TDD configurations
Synchronization	GPS, IEEE1588V2
Power Supply	DC 48V (AC adapter) / AC : 220V AC (100V~264V)
IP Grade	IP66
Dimensions	329mm X 103mm X 215mm
Working Temperature	-40°C~ + 55°C
Humidity	5% ~ 95%
Weight	<7 Kg
Power Consumption	<100W

For more information: www.see-critical.com

SEE CRITICAL COMMS | Version: V1911003EN | www.see-critical.com | Ref: 010223_DAT_EasygNB_gNodeB_GB
Writing: M. ANDRE | Design: V. RAOUL| Verification: F. PARRIER | Approval: F. PARRIER
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EasyCore MiniCore 5GC

PRIVATE 5G SA COMPACT CORE NETWORK

Key Features

EasyCore 5G Core Network is a Mini-PC based 5G Standalone (SA) Core which allows for reliable and secure connectivity to network services. This product supports diversified and demanding services such as connectivity, network bandwidth and latency, quality of service, network security, and policy.

It's a compact, rugged solution, ideal for small private 5G networks. Supporting up to 128 User Equipment (UE) devices and data rates <1Gbps (SISO or 2T2R MIMO).

Advantages

☑ **Supports 5GC functions as per 3GPP Rel. 15/16**

☑ **Supports IMS-GSMA General IMS functions, as per section 2.2 of GSMA IMS profile for voice, video and messaging over 5GS version 3.0**

☑ **Small form factor, light and easy to install**

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Specifications

Product details	
3GPP Standard	3GPP releases 15&16
Network Functions	AMF, SMF, UPF, PCF, AUSF, UDM, UDR, NRF, NSSF, AF, IMS
5G Interfaces	N1/N2/N3/N4/N5/N6/N9 interfaces N7/N8/N10/N11/N12/N13/N35 interfaces
IMS Functions	General IMS Functions, Version 3.0 of GSMA GSMA IMS Profile for Voice, Video and Messaging over 5GS
Max Throughput	<1Gbps (up to 2T2R Radios)
UEs Supported	128
Network Slicing	Supported
Dimension	136mm x 178mm x 55mm
Installation	Cabinet Storage
IP grade	IP20
Weight	1.2 kg
Working Temperature	0°C to 70°C
Humidity	5% to 95%
Power Input	AC 100-240V / DC 12V
Power Consumption	15W
Dimension	136mm x 178mm x 55mm
Installation	Cabinet Storage
IP grade	IP20
Weight	1.2 kg
Working Temperature	0°C to 70°C

For more information: ***www.see-critical.com***

SEE CRITICAL COMMS | Version: V1911003EN | www.see-critical.com | Ref: 010224_DAT_EasyCore_MINICORE_5GC_GB
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EasyRemote Outdoor RRU

PRIVATE 5G SA RADIO UNIT MIMO 4x4 5W

Key Features

EasyRemote Outdoor RRU is a high-performance Radio Remote Unit. It works with an ORAN compatible baseband unit (NR BBU) to form a complete 5G base station used in mobile cellular networks. Supporting MIMO 4T4R with TX power of 5W/channel to deliver downlink throughput of > 1Gbps at a distance of over 1km. Its relatively light weight (<12kg) allows mounting on walls, poles and ceilings.

Advantages

- ☑ Supports MIMO 4T4R and high performance >1Gbps DL
- ☑ Remote online software upgrade for maintenance operation
- ☑ Multi green energy saving method
- ☑ Quick installation and deployment
- ☑ IP67

Specifications

Product details	
3GPP Standard	3GPP release 15/16
System bandwidth	NR: TDD 100MHz
Frequency	N41: 2496MHz-2690MHz; N48 N77/N78: 3400MHz-3600MHz, 3500MHz-3800MHz N77: 3800MHz-4100MHz
Carrier Spacing	30kHz for TDD
MIMO	4TR
ALCR	≤-45dBc
EVM	256QAM:<3.5%
Output Power	4x5W
Receiving Sensitivity	-97 dBm/Channel
Sync function	Support GPS; 1588v2
Dimension	360 x 115 x 260 mm
Installation	Wall mounting, pole mounting, celling mounting
IP grade	IP67
Weight	<12kg
Working Temperature	- 40 ~ +55° C
Humidity	5% ~ 100%
Power Input	DC -48V （-38V~-57V）
Power Consumption	<150W

For more information: www.see-critical.com

SEE CRITICAL COMMS | Version: V1911003EN | www.see-critical.com | Ref: 010225_DAT_EasyRemote_OUTDOOR_RRU_GB
Writing: M. ANDRE | Design: V. RAOUL| Verification: F. PARRIER | Approval: F. PARRIER
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