

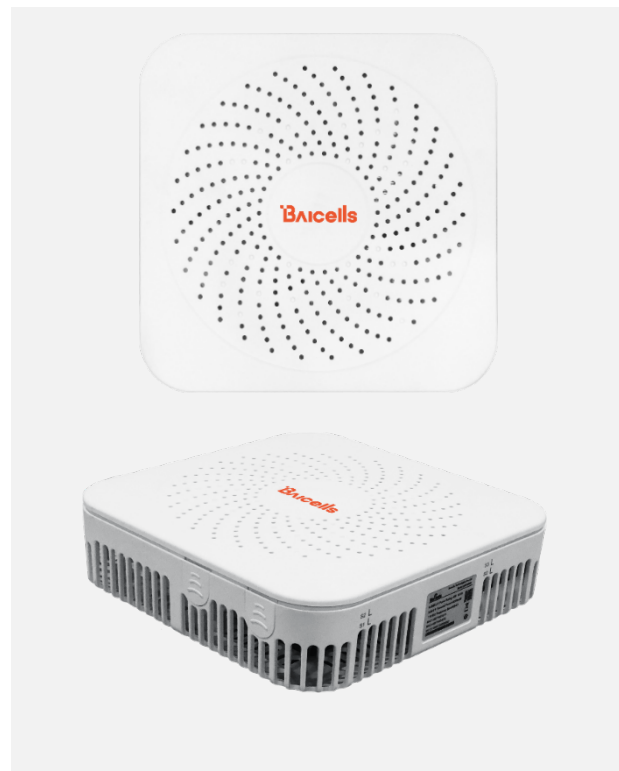
INTRODUCTION

The Gamma632 is an indoor 4x250mW RRU product that operates in Time Division Duplexing (TDD). Combined with Building Base-Band Unit (BBU) and Radio Hub (rHub), these products form a distributed solution to provide wireless indoor coverage solution, improving the indoor coverage range and capacity and eliminating blind spots with low cost.

Gamma632 supports TDD frequency bands with compact design, which is easy to deploy.

Gamma632 supports O-RAN 7.2a interface and is tested by S5040A of Keysight, which has been completed Inter operation (IOT) with the third party Outdoor Unit (ODU).

The product comes with a standard one-year warranty; an extended warranty is available.



TECHNOLOGY

Standard	NR
NR Mode	TDD
RF Standard	3GPP 38.104 / Category B
Frequency Band	- N41 (2515MHz – 2675 MHz) - N48 (3550 MHz – 3700 MHz) - N78 (3300 MHz – 3600 MHz) - N79 (4800 MHz – 4900 MHz)/(4600 MHz – 4900 MHz)
Channel Bandwidth	100MHz
Carrier Config.	1 carrier
Multiplexing	SU-MIMO: 2x2, 4x4

INTERFACE

Interface Type	CPRI or eCPRI (supports O-RAN 7.2a)
Data Interface	2 x 10GE optical fiber interface (LC)
Power Supply	-40VDC ~ -57VDC, nominal -48VDC

LED Indicators	5 x status LED PWR/LINK/ALM/LTE/NR
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LINK BUDGET

Antenna Port	4T4R/2T2R optional, SMA connector
Antenna Config.	4T4R
Max Output Power	24 dBm / channel x 4 channels
Rx Sensitivity	-94 dBm

PHYSICAL

Power Consumption	Maximum 60W
Weight	5.3 lbs / 2.4kg (4T4R)
Dimensions (HxWxD)	9.1 x 9.1 x 2.8 inches 230 X 230 X 70 millimeters
Installation	Ceiling or wall mount
MTBF	≥ 150000 hours
MTTR	≤ 1 hour
Basic report function	RSSI, VSWR, TSSI (transmission signal strength), temperature, etc.
Cooling Method	Natural convection cooling
DU/RU SW Interface	SWIF
1588 Function	Supported
syncE	Supported

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	14°F to 131°F / -10°C to 45°C
Humidity	5% to 95%
Ingress Protection Rating	IP20
Seismic Specification	Telcordia GR-63-CORE, Section 4.4 Zone 4
Wind Resistance	ETSI300019-1-4
EMC	ETSI EN 301 489-4

	ETSI EN 301 908-1
Safety	EN 60950-1 Last edition EN 60950-22 Last edition
RF	EN 301 908-1 V6.2.1 EN 301 908-14 V5.2.1

MODEL NUMBERS

pRU68482	Gamma632 TDD Indoor Pico RRU – Remote, DPD, MPSOC (15EG-1156), N48(3550MHz-3700MHz), 4T4R, 4*250mW, 48VDC, build-in/external antenna, 2xOPT, eCPRI supported
pRU68414	Gamma632 TDD Indoor Pico RRU – Remote, DPD, MPSOC (15EG-1156), N41(2515MHz-2675MHz), 4T4R, 4*250mW, 48VDC, build-in/external antenna, 2xOPT, eCPRI supported
pRU68784	Gamma632 TDD Indoor Pico RRU – Remote, DPD, MPSOC (15EG-1156), N78(3300MHz-3600MHz), 4T4R, 4*250mW, 48VDC, build-in/external antenna, 2xOPT, eCPRI supported
pRU68792	Gamma632 TDD Indoor Pico RRU – Remote, DPD, MPSOC (15EG-1156), N79(4800MHz-4900MHz), 4T4R, 4*250mW, 48VDC, build-in/external antenna, 2xOPT, eCPRI supported
pRU6879C2	Gamma632 TDD Indoor Pico RRU – Remote, DPD, MPSOC (15EG-1156), N79(4600MHz-4900MHz), 4T4R, 4*250mW, 48VDC, build-in/external antenna, 2xOPT, eCPRI supported

NOTE: Customized versions can be requested.