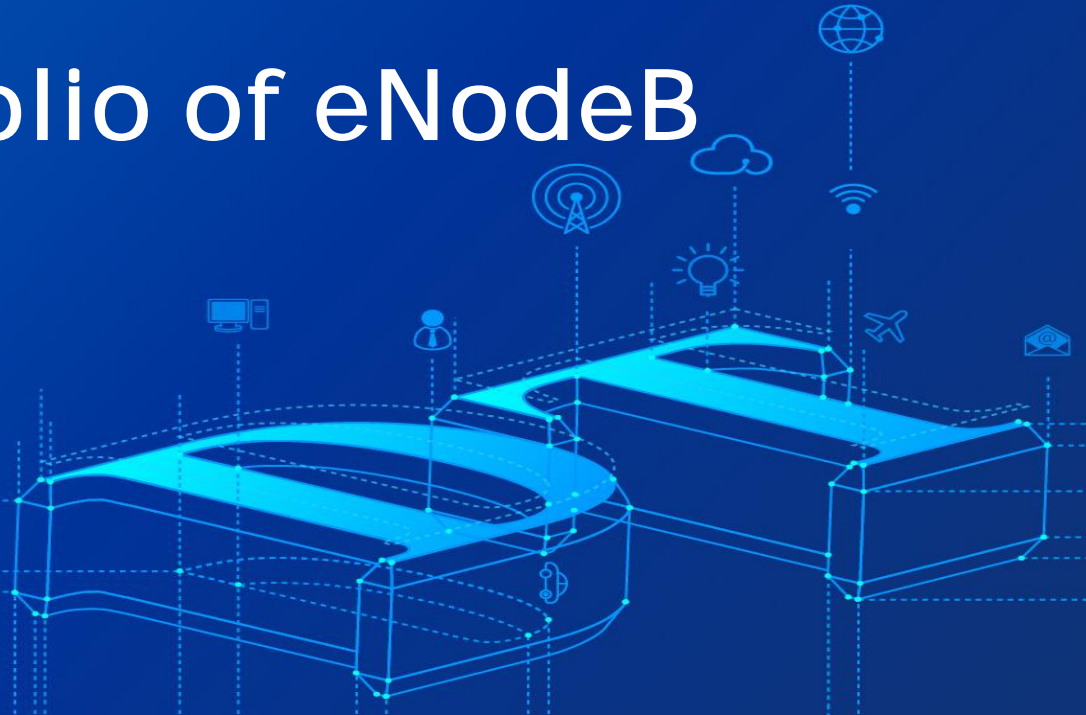




Product Portfolio of eNodeB



4G Products



BBU



EMB6216 2U
EMB6116 3U



EMB5326
(Outdoor)



EMB5116

OMC



UEM5000 (X86 Server)

EPC



UCC9500 (X86 Server)

TDD Outdoor RRU



TDRU348FA 85A30
8TR
1900M/2000M



TDRU358D/358D-P
8TR
2600M



TDRU342FA 85A30
2TR
1900M/2000M



TDRU342D/DH/DL
2TR
2500M/2600M



TDRU342E
2TR
2300M



TDRU 518N40
8TR
2300M



TDRU341FAE
1TR
1900M/2000M/2300M

4G Products



TDD Micro



**mTDRU352D/
352D-P**
2 Channel/2600M



**TDRU364FAD/
364FAD-P**
4 Channel/2600M

TDD/FDD PICO RRU



Pru352 / 352B08
TDD/FDD/GSM
2300M/900M/1800M



pRU3523
FDD/UMTS
1800M/2100M



pRU4521
TDD/FDD/UMTS
2300M/1800M/2100M



mFDRU354B03
4TR/FDD/
1800M

3D MIMO



TDAU1164D
TDD/64TR
2600M

FDD Macro RRU



FDRU3424B03
2T4R/1800M



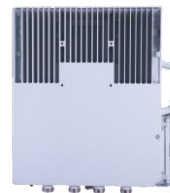
FDRU344B03 / 344B03-U
4T4R/1800M



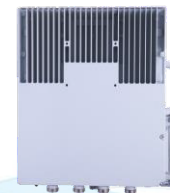
FDRU344 B01
4T4R/2100M



FDRU342B08
2T2R/900M



FDRU3424B26
2T4R/850M



FDRU3424B08
2T4R/900M



FDRU3424B28
2T4R/700M

● TDD Products List

Product Model	TDRU348FA	TDRU342FA	TDRU358D	TDRU358D-P	TDRU342D	TDRU342DH	TDRU342DL
Frequency	1885~1915MHz (F)/ 2010~2025MHz (A)	1885~1915MHz (F)/ 2010~2025MHz (A)	2575-2635MHz	2575-2675MHz	2575~2635MHz	2635~2675MHz	2535~2575MHz
IBW	F: 30M + A: 15M	F: 30M +A: 15M	60M	100M	60M	40M	40M
OBW	F: 30M + A: 15M	F: 30M +A: 15M	60M	60M	60M	40M	40M
Output Power	8×20W	2×40W	8×20W	8×20W	2×60W	2×40W	2×40W
Power Consumption	<455W	<250W	<435W	<435W	<310W	<310W	<310W
Dimension	479×356×149 mm	400×310×121 mm	430×356×118 mm	430×356×118 mm	400×310×121 mm	400×310×121 mm	400×310×121 mm
Volume(L)	25L	15L	18L	18L	15L	15L	15L
Weight	25Kg	15Kg	18Kg	18Kg	15Kg	15Kg	15Kg
Power Supply	DC: -57V~40V	AC: 150V~300V DC: -57V~40V	DC: -57V~40V	DC: -57V~40V	AC: 150V~300V DC: -57V~40V	AC: 150V~300V DC: -57V~40V	AC: 150V~300V DC: -57V~40V

● TDD Products List 2

Product Model	TDRU342E	TDRU 518N40	TDRU341FAE	TDRU364FAD/ FAD-P	mTDRU352D	mTDRU352DH	mTDRU352D-P
Frequency	2320~2370MHz	2300~2400MHz (support 4/5G dual- mode)	1880~1915M(F) 2010~2025M(A) 2320~2370M(E)	1885~1915M(F) 2010~2025M(A) 2575~2635M(D)	2575~2635MHz	2535~2575MHz	2575-2675MHz
IBW	50M	100M	F:35M+A:15M+ E:50M	F35M+A:15M+ D:60M / 100M	60M	40M	100M
OBW	40M	30-100M	F:35M+A:15M+ E:50M	F:35M+A:15M+ D:60M	40M	40M	40M
Output Power	2×50W	8×40W	1×50W(E)+ 1×24W(FA)	FA:4×10W D:4×15W	2×10W	2×10W	2×10W
Power Consumption	<290W	<914W	<250W	<360W	<90W	<90W	<90W
Dimension	400×310×121 mm	340×480×135 mm	400×310×121 mm	748×170×170 mm	250×185×76 mm	250×185×76 mm	250×185×76 mm
Volume(L)	15L	18L	15L	17L	3.5L	3.5L	3.5L
Weight	12Kg	20Kg	12Kg	18Kg	3.5Kg	3.5Kg	3.5Kg
Power Supply	AC: 150V~300V DC: -57V~-40V	AC: 150V~ 300V DC: -57V~-40V	AC: 150V~300V DC: -57V~-40V	AC: 150V~300V	AC: 150V~300V	AC: 150V~300V	AC: 150V~300V

TDD Products List 3



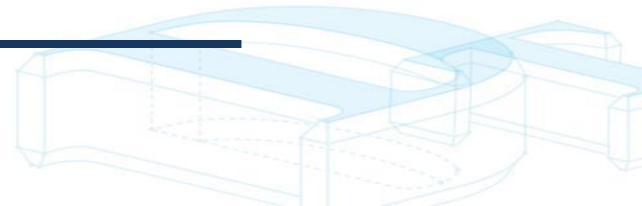
Product Model	TDAU1164D	pRU352	pRU352 B08	pRU352-ED	pRU4521(TDD/FDD/UMTS)
Frequency	2575~2635MHz	GSM/FDD: UL:1710~1785MHz DL:1805~1880MHz TD-LTE: 2320~2370MHz	GSM/FDD: UL: 885~915MHz DL: 930~960MHz TD-LTE: 2320MHz~2370MHz	E: 2320~2370MHz D: 2655~2675MHz	1.8GHz FDD :1710-1775M(UL)/1805-1870M(DL) 2.1GHz FDD :1920-1980M(UL)/ 2110-2170M(DL) 2.1GHz UMTS : 2110-2170M 2.3 GHz TDD :2300-2400M
IBW	60M	TDL:50M FDD:75M	TDL:50M FDD:30M	E:50M D:30M	1.8G FDD:65M; 2.1G FDD: 60M LTE TDD:50M UMTS:5×5M
OBW	60M	TDL:2×20M FDD:1×20M GSM:6×200K	TDL:2×20M FDD:1×10M GSM:6×200K	E:2×20M D:1×20M	LTE FDD:40M; 2.1G FDD: 40M LTE TDD:40M UMTS:5×5M
Output Power	64×2W	TDL: 2×250mW FDD:2×125mW GSM: 1×125mW	TDL: 2×250mW FDD:2×125mW GSM: 1×125mW	E: 2×250mW D: 1×125mW	UMTS:1×125mW LTE FDD:2×250mW LTE TDD :2×250mW
Power Consumption	<850W	<30W	<30W	<30W	<55W
Dimension	910×498×145 mm	180×180×40 mm	180×180×43 mm	180×180×40 mm	212×212×52 mm
Volume(L)	65L	1.2L	1.5L	1.2L	2.6L
Weight	47Kg	1.2Kg	1.5Kg	1.2Kg	2.4kg
Power Supply	DC: -57V~40V	POE	POE	POE	POE

● FDD Products List 2

Product Model	mFDRU354B03 (4T4R)	pRU4521(TDD/FDD/UMTS)	pRU352 (TDD/FDD)	pRU352 B08 (TDD/FDD)	Pru3523 (FDD/UMTS)
Frequency	UL : 1710-1735MHz DL : 1805-1830MHz	1.8GHz FDD :1710-1775M(UL)/1805-1870M(DL) 2.1GHz FDD :1920-1980M(UL)/ 2110-2170M(DL) 2.1GHz UMTS : 2110-2170M 2.3 GHz TDD :2300-2400M	GSM/FDD: UL:1710~1785MHz DL:1805~1880MHz TD-LTE: 2320~2370MHz	GSM/FDD: UL: 885~915MHz DL: 930~960MHz TD-LTE: 2320MHz~2370MHz	1.8GHz LTE FDD :1710-1775MHz(UL)/1805-1870MHz(DL) 2.1GHz LTE FDD :1920-1980MHz(UL)/2110-2170MHz(DL) 2.1GHz UMTS 2110-2170MHz
IBW	25M	1.8G FDD:65M; 2.1G FDD: 60M LTE TDD:50M UMTS:5×5M	TDL:50M FDD:75M	TDL:50M FDD:30M	1.8GHz LTE FDD :65M 2.1GHz LTE FDD :60M UMTS:3×5M
OBW	20M	LTE FDD:40MM; 2.1G FDD: 40M LTE TDD:40M UMTS:5×5M	TDL:2×20M FDD:1×20M GSM:6×200K	TDL:2×20M FDD:1×10M GSM:6×200K	1.8/2.1GHz LTE FDD:40M UMTS: 3×5M
Output Power	4×10W	UMTS:1×125mW LTE FDD:2×250mW LTE TDD :2×250mW	TDL: 2×250mW FDD:2×125mW GSM: 1×125mW	TDL: 2×250mW FDD:2×125mW GSM: 1×125mW	1.8/2.1GHz LTE FDD: 2×250mW UMTS: 1×125mW
Power Consumption	<200W	<55W	<30W	<30W	<30W
Dimension	320×220×114 mm	212×212×52 mm	180×180×40 mm	180×180×43 mm	188×188×45 mm
Volume(L)	8L	2.6L	1.2L	1.5L	1.8L
Weight	10Kg	2.4kg	1.2Kg	1.5Kg	1.8kg
Power Supply	DC: -57V~~40V	POE	POE	POE	POE

Contents

- TDD LTE Products
 - FDD LTE Products
 - Pico Products
 - EPC
 - OMC
-



● BBU—EMB5116 & EMB6216 (Indoor)



EMB5116

- Single -Mode 4G BBU
- Support TDD & FDD



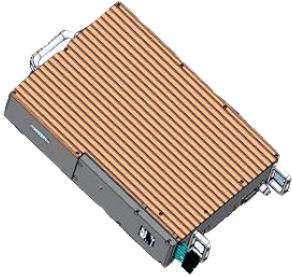
EMB6216

- support 4G&5G dual-mode
- Supply TDD & FDD

Product Model	EMB5116
Dimension	88 × 483 × 310mm
Weight	<10Kg
Power Consumption	≤450W
Power Supply	-48V DC (-57V ~ -40V)
Capacity (TDD/FDD)	36 × 20MHz
Interface	S1/X2:4 × 10GE(Optical/Electric)
Temperature	-5 °C ~ +55 °C
Moisture	15%~85%;

Product Model	EMB6216
Dimension	88 × 440 × 360mm (19"/2U)
Weight	18kg
Power Consumption	350W (S111)
Temperature	-5 °C ~ +55 °C
Moisture	15% ~ 85%
Power Supply	DC:-48V (-57V ~ -40V)
Protection Level	IP20
Capacity	18 × 100M 64TR

● BBU—EMB5326 (Outdoor)



EMB5326

- Single -Mode 4G BBU
- Support TDD & FDD
- Outdoor use

Highlights

- The BPOI baseband card is integrated with the SCTF master card on a PCB board card, and the structure adopts natural heat dissipation.
- The number of Forward interface is 6, and the number of return interfaces is 2.
- The shape and size are similar to the macro station RRU , uniform and beautiful appearance.
- Support maximum heat dissipation capacity W 500, available outdoors .

Product Model	ENB5326
Dimension	470 × 320 × 100mm , 15L
Weight	18Kg
Power Consumption	<200W (high temperature)
Power Consumption	150W (Ordinary temperature)
Power Supply	-48V DC (-57~-40V)
Return interface	2 × GE/10GE(Optical) , 1 × GE(Electrical)
Forward interface	6 × 10G SFP (Single mode fiber interface)
Protection Degree	IP65 (Has anti-salt fog corrosion capability on island and coast)
Synchronization	GPS / Beidou , 1588V2
Capacity	Support FDD/TDD , 6 × 20M@8T8R
Temperature	-5 °C ~ +55 °C ;
Moisture	5% ~ 98%

● Macro cell — TDRU348FA 85A30



Application Scenarios



Dense Urban/Urban



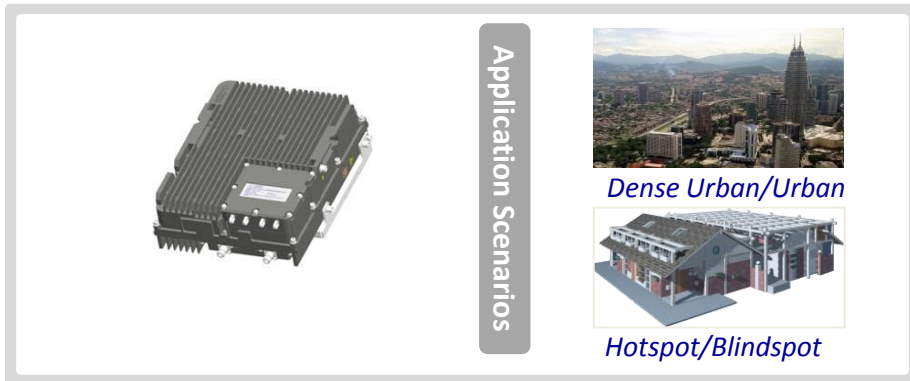
Suburban/Rural

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.
- Support for 12 cell mergers.

Product Model	TDRU348FA 85A30
Dimension	479*356*149mm, 25L
Weight	25Kg
Power Consumption	<455W
Antenna Channel	8
Transmission Power	20W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	1885MHz~1915MHz(F), 2010MHz~2025MHz(A)
IBW	F: 30M + A: 15M
OBW	F: 30M + A: 15M
Dual Mode Capacity	F20M+FA12C/ F30M+A9C
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Macro cell — TDRU342FA 85A30




Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.
- Support for 12 cell mergers.


Product Model	TDRU342FA 85A30
Dimension	400*310*121mm, 15L
Weight	15Kg
Power Consumptio	<250W
Antenna Channel	2
Transmission Power	40W/Channel
Power Supply	-48V DC (-57~40V), 220V AC (140~300V)
Frequency	1885MHz~1915MHz(F), 2010MHz~2025MHz(A)
IBW	F: 30M + A: 15M
OBW	F: 30M + A: 15M
Dual Mode Capacity	F20M+FA12C /F30M+A9C
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Macro cell — TDRU358D/TDRU358D-P






Application Scenarios



Dense Urban/Urban



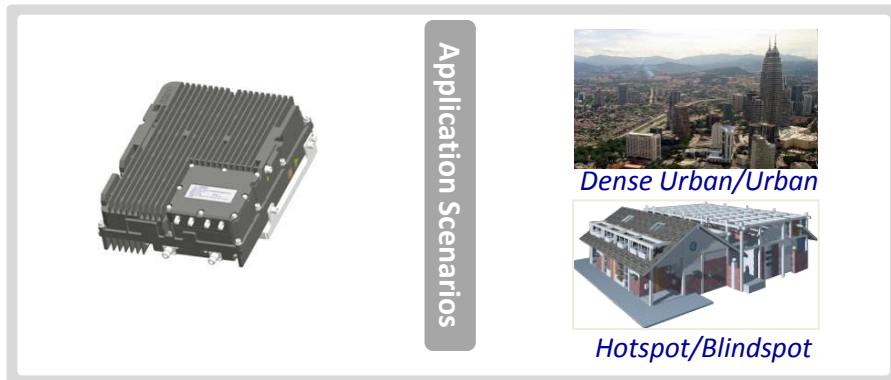
Suburban/Rural

Product Model	TDRU358D	TDRU358D-P
Dimension	430 × 356 × 118mm, 18L	
Weight	18Kg	
Power Consumption	<435W	
Antenna Channel	8	
Transmission Power	20W/Channel	
Power Supply	-48V DC (-57V ~ -40V)	
Frequency	2575~2635MHz	2575-2675MHz
IBW	60MHz	
OBW	60MHz	100MHz
Protection Degree	IP65	
MTBF	≥150,000 Hours	
MTRR	≤0.5 Hour	
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C	
Moisture	2%~100%	

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.
- Support for 12 cell mergers.


● Macro cell — TDRU342D、TDR342DH/L




- ### Highlights
- Zero footprint, lighter and more flexible.
 - THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
 - EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
 - Max distance between BBU and RRU is 40Km.
 - Support for 12 cell mergers..
 - Indoor coverage can be flexibly configured into a two-channel MIMO cell or two separate single-channel cells.

Product Model	TDRU342D	TRU342DH	TDRU342DL
Dimension	400 × 310 × 121mm, 15L		
Weight	15Kg		
Power Consumption	<310W		
Antenna Channel	2		
Transmission Power	60W*2	40W*2	40W*2
Power Supply	-48V DC (-57~-40V), 220V AC (140~300V)		
Frequency (MHz)	2575~2635	2635~2675	2535~2575
IBW	60M	40	40
OBW	60M	40	40
Protection Degree	IP65		
MTBF	≥150,000 Hours		
MTRR	≤0.5 Hour		
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C		
Moisture	2% ~ 100%		


● Macro cell— TDRU342E



Application Scenarios



Indoor coverage



Dense Urban/Urban


Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.
- Support for 12 cell mergers..
- Indoor coverage can be flexibly configured into a two-channel MIMO cell or two separate single-channel cells.


Product Model	TDRU342E
Dimension	400 × 310 × 121mm, 15L
Weight	12Kg
Power Consumption	<290W
Antenna Channel	2
Transmission Power	50W/Channel
Power Supply	-48V DC (-57~40V), 220V AC (140~300V)
Frequency	2320MHz~2370MHz
IBW	40M+6C
OBW	50M
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Macro — TDRU518N40






Application Scenarios



Suburban/Village



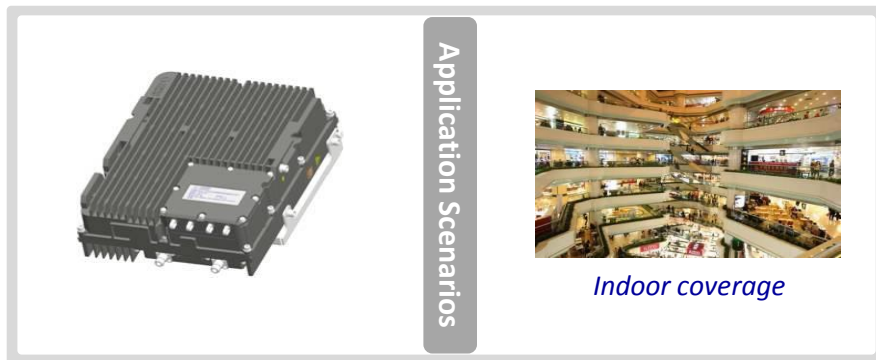
Hot spots/Blind area/Indoor

Highlights

- Zero footprint, lighter and more flexible.
- Transmit power is 320W, high transmit power and large coverage radius to meet multi-scene requirements.
- Large capacity, maximum support for 3 carrier aggregation.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Maximum support for cascading level 4 and Max distance between BBU and RRU is 20Km.
- Support 4 G/5G dual mode, can be upgraded to 5 G by software.

Model	TDRU 518N40
Dimension	340 ×480 ×135mm(18L)
Weight	20Kg
Power Consumption	<914W
Channel	8TR
Output Power	40W/Channel
Power Supply	-48V DC (-57~-40V), 220V AC (140~300V)
Frequency	2300~2400MHz
OBW	30~100M
IBW	100MHz
level of protection	IP65
MTBF	≥150,000 Channel
MTTR	≤0.5 Channel
Temperature	Long-term: -40 °C ~ +55 °C Shor-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Macro cell—TDRU341FAE



Highlights

- Zero footprint, lighter and more flexible.
- High Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.
- Support for 12 cell mergers.
- Two TDRU341FAE can support 2x2 MIMO.

Product Model	TDRU341FAE
Dimension	400*310*121mm, 15L
Weight (Kg)	12
Power Consumption	<250W
Antenna Channel	1
Transmission Power	1*50W(E)+1*24W(FAE)
Power Supply	-48V DC (-57~-40V), 220V AC (140~300V)
Frequency	2320~2370MHz(E),1880MHz~1915MHz (F), 2010MHz~2025MHz(A)
IBW	F35M+A:15M+E:50M
OBW	F:35M+A:15M+E:50M
Dual Mode Capacity	40M(E)+12C(FAE)
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Micro cell — Padsite mTDRU352D/DH/D-P



Highlights

- Small size and small weight :3.5 L /3.5Kg, easily to be concealed and installed.
- High power :20 W transmit power, microcellular coverage, effectively solve the problem of indoor depth coverage.
- Large bandwidth :40 M bandwidth, support CA, convenient expansion to meet the growing demand for business.
- Large flexibility: flexible merging or splitting, suitable for small area accurate coverage, easy to network planning and optimization, conducive to network expansion and evolution.

Product Model	mTDRU352D	mTDRU352DH	mTDRU352D-P
Dimension	250*185*76mm, 3.5L		
Weight	3.5Kg		
Power Consumption	<90W		
Antenna Channel	2		
Transmission Power	10W/Channel		
Power Supply	220V AC (140~300V)		
Frequency (MHz)	2575~2635	2535~2575	2575-2675
IBW	40M		
OBW	60M	40M	100MHz
Antenna	Internal/external antenna		
Antenna gain	10dBi(Internal)		
Protection Degree	IP65		
MTBF	≥150,000 Hours		
MTTR	≤0.5 Hour		
Temperature	Long-term: -40 ℃ ~ +55 ℃ Short-term: -40 ℃ ~ +70 ℃		
Moisture	2%~100%		

● Micro cell — TDRU364FAD、TDRU364FAD-P



Highlights

- Deeper coverage: deeper coverage by FA low frequency and 4 channel and power boost.
- Anti-interference: flexible configuration of FAD frequency band to avoid interference.
- Engineering simpler: antenna and RRU integration, simple installation, lamp tube beautification, convenient location.
- Operation and maintenance is more efficient: remote electrical regulation is easy to optimize and adjust, low cost of operation and maintenance.

Product Model	TDRU364FAD	TDRU364FAD-P
Dimension	748*170*170mm, 17L	
Weight	18Kg	
Power Consumption	<360W	
Transmission Power	FA:4*10W ; D:4*15W	
Power Supply	220V AC (140~300V)	
Frequency (F/A)	F: 1885~1915MHz; A: 2010~2025MHz	
Frequency (D)	D: 2575~2635MHz	D: 2575~2675MHz
IBW/OBW (F/A)	30M(F): 1*20MHz+1*10MHz 15M(A): 1*15MHz	
IBW/OBW (D)	60MHz/60MHz	60MHz/100MHz
Antenna	Internal	
Antenna gain	Same direction:14~15dBi (F>14, A>14.5, D>15) Splitting :11~12dBi, (F>11, A>11.5, D>12)	
Protection Degree	IP65	
MTBF	≥150,000 Hours	
MTTR	≤0.5 Hour	
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C	
Moisture	2%~100%	

● 3D-MIMO BBU—(SCTF+BPOK)



BBU

BPOK

Highlights

- Easy to deploy: 19 "wide, 2U high, weight <10Kg, support max 20KM remote deployment.
- Large capacity: can support 3 BPOK , 9*20M*64A carrier
- Ir Interface : 18*25G.
- LTE-A features: CA, COMP, MIMO, etc.
- Synchronization modes: GPS, Beidou, ancestor clock, remote GPS/Beidou over optical fiber, 1588V2.

Product Model	EMB5116(SCTF+BPOK)
Dimension	88 × 483 × 310mm
Weight	<10Kg
Power Consumption	≤650W
Power Supply	-48V DC (-57V ~ -40V) 220V AC (140V ~ 300V)
Capacity(carrier sector)	9*20MHz
Max Interfaces	S1/X2:4*10GE(Optical/Electric)
Ir Interface	18*25G;
MTBF	≥200,000 Hours
MTRR	≤0.5 Hour
Temperature	Long-term: -5 °C ~ +55 °C Short-term: -20 °C ~ +70 °C
Moisture	Long-term: 15%~85% Short-term: 5%~95%

● 3D-MIMO AAU—TDAU1164D、 TDAU1164DH/L



Application Scenarios



Dense Urban/Urban



High-rise buildings

Highlights

- 64 channel , 128 Antenna.
- Uplink: maximum supporting 8 streams .
- Downlink: maximum supporting 16 streams.
- Supporting CFR, DPD, etc.
- Three-dimensional beamforming.

Product Model	TDAU1164D	TDAU1164DH	TDAU1164DL
Dimension	910 × 498 × 145mm, 65L		
Weight	47Kg		
Power Consumption	<850W		
Antenna Channel	64 channel 128 Antenna		
Transmission Power	2W/Channel		
Power Supply	-48V DC (-60~-40V)		
Frequency	2575~2635	2635~2655	2655~2575
IBW	60MHz	40MHz	40MHz
OBW	60MHz	40MHz	40MHz
Protection Degree	IP65		
MTBF	≥150,000 Hours		
MTTR	≤0.5 Hour		
Temperature	Long-term: -40 °C ~ +55 °C		
Moisture	5%~98%		

● 700MHz 2T4R RRU — FDRU3424B28



Application Scenarios



Dense Urban/Urban



Suburban/Rural

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU3424B28
Dimension	430*356*128, 20L
Weight	20Kg
Power Consumption	<480W
Antenna Channel	2
Transmission Power	60W/Channel
Power Supply	-48V DC (-57~40V)
Frequency	UL: 703MHz-748MHz DL: 758MHz-803MHz
IBW	40MHz
OBW	45MHz
Dual Mode Capacity	FDD LTE: 20MHz*2(20+20M)
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	2%~100%

● Macro — 850MHz 2T4R RRU — FDRU3424B26



suitable



Dense Urban/Urban



Suburban/Village

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU3424B26
Dimension	430 × 356 × 123mm , 19L
Weight	20Kg
Power Consumption	<500W
Antenna Channel	2
Transmission Power	80W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	UL : 814MHz-849MHz DL : 859MHz-894MHz
IBW	35M
OBW	35M
Dual Mode Capacity	FDD LTE: 35MHz) NB-IoT: 200KHz × 2
Protection Degree	IP65
MTBF	≥150,000 Channel
MTTR	≤0.5 Channel
Temperature	Long-term: -40 °C ~ +55 °C Shor-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Macro — 800MHz 4T4R RRU — FDRU341B20



Product Model	FDRU3414B20
Dimension	430 × 356 × 123mm , 19L
Weight	20Kg
Power Consumption	<780W
Antenna Channel	4
Transmission Power	60W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	UL : 832MHz-862MHz DL : 791MHz-821MHz
IBW	30M
OBW	30M
Dual Mode Capacity	FDD LTE: 30MHz NB-IoT: 200KHz × 2
Protection Degree	IP65
MTBF	≥150,000 Channel
MTTR	≤0.5 Channel
Temperature	Long-term: -40 °C ~ +55 °C Shor-term: -40 °C ~ +70 °C
Moisture	5%~98%

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

● 900MHz 2T2R RRU — FDRU342B08



Application Scenarios



indoor coverage

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU342B08
Dimension	435*220*152mm , 14L
Weight	15Kg
Power Consumption	<350W
Antenna Channel	2
Transmission Power	60W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	UL : 885MHz-915MHz DL : 930MHz-960MHz
IBW	20MHz
OBW	30MHz
Dual Mode Capacity	FDD LTE: 20MHz*2(10+10M) NB-IoT: 200KHz*2
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● 900MHz 2T4R RRU — FDRU3424B08



Application Scenarios



Dense Urban/Urban



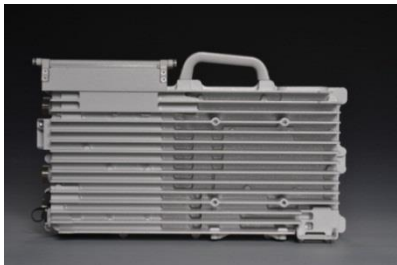
Suburban/Rural

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU3424B08
Dimension	430*356*123mm , 19L
Weight	20Kg
Power Consumption	<500W
Antenna Channel	2
Transmission Power	80W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	UL : 885MHz-915MHz DL : 930MHz-960MHz
IBW	20MHz
OBW	30MHz
Dual Mode Capacity	FDD LTE: 20MHz*2(10+10M) NB-IoT: 200KHz*2
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● 1800MHz 2T4R RRU — FDRU3424B03



Application Scenarios



Dense Urban/Urban

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU3424B03
Dimension	435*220*135mm , 12L
Weight	14Kg
Power Consumption	<450W
Antenna Channel	2
Transmission Power	60W/Channel
Power Supply	-48V DC (-57~40V)
Frequency	UL : 1710MHz-1735MHz DL : 1805MHz-1830MHz
IBW	20MHz
OBW	25MHz
Dual Mode Capacity	25M*2 (10+15M/20+5M)
Protection Class	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● **1800MHz 4T4R RRU — FDRU344B03/FDRU344B03-U**



Dense Urban/Urban

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU344B03	FDRU344B03-U
Dimension	430*356*130mm , 20L	
Weight	20Kg	
Power Consumption	<650W	
Antenna Channel	4	
Transmission Power	50W/Channel	
Power Supply	-48V DC (-57~-40V)	
Frequency	UL : 1710MHz-1735MHz DL : 1805MHz-1830MHz	UL:1730MHz-1785MHz DL:1825MHz-1880MHz
IBW	20MHz	40MHz
OBW	25MHz	55MHz
Dual Mode Capacity	25M*2 (10+15M/20+5M)	40M*2 (20+20M/20+15M)
Protection Class	IP65	
MTBF	≥150,000 Hours	
MTTR	≤0.5 Hour	
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C	
Moisture	5%~98%	

● 2100MHz 4T4R RRU — FDRU344B01



Application Scenarios



Dense Urban/Urban

Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	FDRU344B01
Dimension	430*356*130, 20L
Weight	20Kg
Power Consumption	<650W
Antenna Channel	4
Transmission Power	50W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	UL: 1920MHz-1980MHz DL: 2110MHz-2170MHz
IBW	40MHz
OBW	60MHz
Dual Mode Capacity	40M*2 (20+15M/20+15M)
Protection Class	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	5%~98%

● Micro Cell — Mini RRU mFDRU354B03



Highlights

- Zero footprint, lighter and more flexible.
- THigh Efficiency PA Solution: CFR, DPD, Doherty etc. achieving PA Efficiency>30%.
- EEIM: Intelligent Energy Management Algorithm, achieving green radio solution.
- Max distance between BBU and RRU is 40Km.

Product Model	mFDRU354B03
Volume	8.5L
Weight	10Kg
Antenna Channel	4 (4T4R)
Transmission Power	10W/Channel
Power Supply	-48V DC (-57~-40V))
Frequency	UL : 1710-1735MHz DL : 1805-1830MHz
OBW	25M
Antenna	Internal/external antenna
Protection Degree	IP65
MTBF	≥150,000 Hours
MTTR	≤0.5 Hour
Temperature	Long-term: -40 °C ~ +55 °C Short-term: -40 °C ~ +70 °C
Moisture	2%~100%

● Macro —TLU300T



Application Scenarios



Dense Urban/Urban

Highlight

- Flexible configuration of frequency bandwidth.
- Distributed RF unit, flexible networking.
- Widely working temperature zone, protection level IP65, strong environmental adaptability.
- Support smart antennas, improve uplink reception sensitivity and increase downlink coverage.
- Wide coverage, support for fiber pull.

Model	TLU300T
Dimension	378mm × 356mm × 142 mm, 23L
Weight	23Kg
Power Consumption	<300W
Antenna Channel	8
Transmission Power	15W/Channel (MAX Output Power120W)
Power Supply	-48V DC (-57~-40V)
Frequency	1785-1805MHz
OBW	20M
IBW	20M
level of protection	IP65
MTBF	≥150,000 Channel
MTTR	≤0.5 Channel
Temperature	Long-term: -40 °C ~ +55 °C ; Shor-term: -40 °C ~ +70 °C
Moisture	5% ~ 98%

● Macro —E3301R



Application Scenarios



Dense Urban/Urban


Highlight

- Flexible configuration of frequency bandwidth.
- Distributed RF unit, flexible networking.
- Widely working temperature zone, protection level IP65, strong environmental adaptability.
- Support smart antennas, improve uplink reception sensitivity and increase downlink coverage.
- Wide coverage, support for fiber pull.


Model	E3301R
Volume	25L
Weight	25Kg
Power Consumption	<300W
Channel	8
Transmission Power	12W/Channel
Power Supply	-48V DC (-57~-40V)
Frequency	1447-1467MHz
OBW	20M
IBW	20M
level of protection	IP65
MTBF	≥150,000 Channel
MTTR	≤0.5 Channel
Temperature	Long-term: -40 °C ~ +55 °C ; Shor-term: -40 °C ~ +70 °C
Moisture	5%~98%

Indoor Cell — Pinsite pRU352&pRU352 B08







Application Scenarios




Airport



Shopping Mall



Large Fields and Halls




Luxury Hotels

Highlights


- Ultra small-sized, ultra light weight.
- Built-in 4 antenna channel.
- Support dual-Carrier/GSM/FDD, support F+T CA/256QAM, and couple GSM signals of different providers.
- Wall, ceiling mounting.
- Available for indoor high-capacity scenarios with high ARUP.
- POE mode power supply .

Product Model	pRU352	pRU352 B08
Dimension	180*180*40mm, 1.2L	188*188*43mm, 1.5L
Weight	1.2Kg	1.5Kg
Power Consumption	<30W	<30W
Frequency	GSM/FDD: UL:1710~1785MHz DL:1805~1880MHz TD-LTE: 2320~2370MHz	GSM/FDD: UL: 885~915MHz DL: 930~960MHz TD-LTE: 2320MHz~2370MHz
Transmission Power	TDL: 2*250mW FDD:2*125mW GSM: 1*125mW	
Bandwidth	TDL:2*20MHz FDD:1*20MHz GSM:6*200KHz	TDL:2*20MHz FDD:1*10MHz GSM:6*200KHz
Antenna	Internal / external antenna	
Protection Degree	IP31	
Power Supply	POE	
Temperature	Long-term: -5 °C ~ +55 °C Short-term: -5 °C ~ +70 °C	
Moisture	5% ~98%	


Indoor Cell — Pinside Pru352-ED




Application Scenarios




Airport



Shopping Mall



Large Fields and Halls



Luxury Hotels

Highlights

- Ultra small-sized, ultra light weight.
- Built-in 4 antenna channel.
- Support dual-Carrier/GSM/FDD, support F+T CA/256QAM, and couple GSM signals of different providers.
- Wall, ceiling mounting.
- Available for indoor high-capacity scenarios with high ARUP.
- POE mode power supply .

Product Model	pRU352-ED
Dimension	180*180*40mm, 1.2L
Weight	1.2Kg
Power Consumption	<30W
Frequency	E: 2320~2370MHz D: 2655~2675MHz
Transmission Power	E: 2*250mW D: 1*125mW
Bandwidth	E:2*20MHz D:1*20MHz
Antenna	Internal / external antenna
Protection Degree	IP31
Power Supply	POE
Temperature	Long-term: -5 °C ~ +55 °C Short-term: -5 °C ~ +70 °C
Moisture	5%~98%

● Indoor Cell — RHub

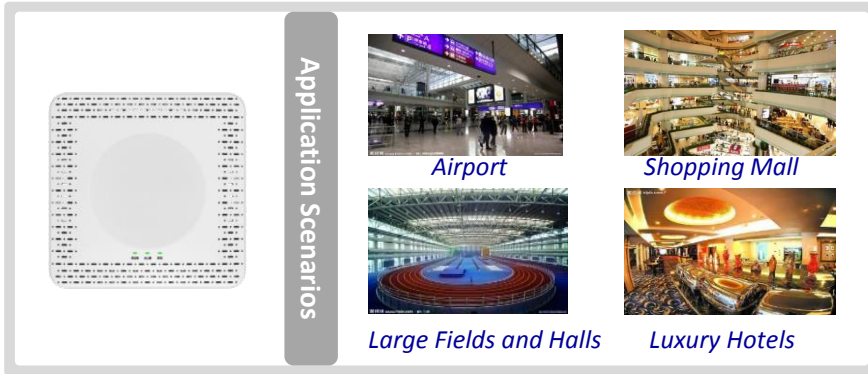


Highlights

- POE power supply for Pico RRU , 1~ 8 channels.
- 4 level cascading, simplified optical fiber cables laying.
- GSM signal supported, 2G/4G working at the same time.
- Couple existing GSM signal source of other providers.
- Max distance of 20 km for optical fiber.

Product Model	pRHB3112
Dimension	19", 1U
Weight	<2Kg
Power consumption	30W (static power consumption)
Port number	8*2.5GE
Cascading level	4(max)
Cell merge	Any cell merge Intra/inter-RHub
Protection Degree	IP20
Power Supply	AC 220V
Temperature	-50 °C ~ +55 °C (long)
Scattering mode	Fan

● Indoor Cell —pRU4521 (LTE1.8/2.1/2.3G+UMTS2.1G

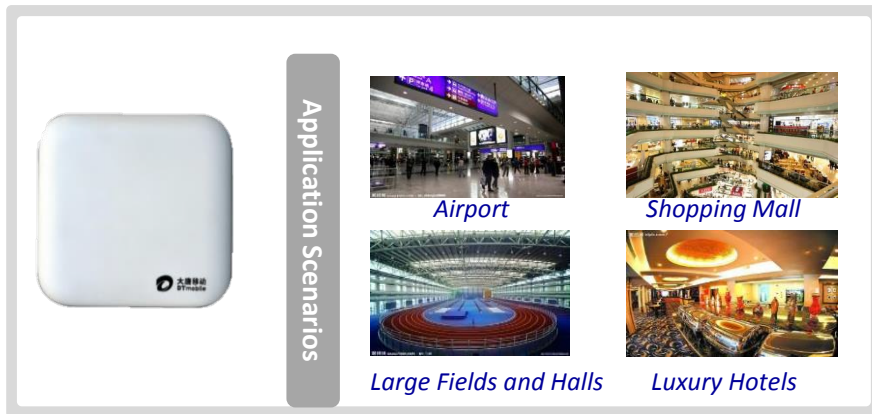


Highlights

- Support LTE FDD/TDD.
- Support band 1/band 3/band 40.
- Support UMTS RF feed.
- Support POE power supply.

Product Model	pRU4521
Dimension	212mm*212mm*52mm (2.6L/2.4kg)
Frequency	1.8GHz LTE FDD 1710-1775(UL)/1805-1870(DL) 2.1GHz LTE FDD 1920-1980(UL)/ 2110-2170(DL) 2.1GHz UMTS 2110-2170 2.3 GHz LTE TDD 2300-2400
Output Power	UMTS:1*125mW LTE FDD:2*250mW LTE TDD :2*250mW
OBW	LTE FDD:65MHz LTE TDD:50MHz UMTS:5*5MHz
Capacity	LTE FDD supports 4 carriers. LTE TDD supports 2 carriers. UMTS supports 5carriers
Power Consumption	<55W
Interface capability	RJ45 electrical interface supports 10Gbps
Power Supply	POE+, -48V DC (-40V DC~-57V DC)

● Indoor Cell —— pRU3523(FDD1.8/2.1G+UMTS2.1G) **IPLOOK**



Highlights

- Built-in 4 antenna channel.
- support LTE FDD(1.8G/2.1G)、UMTS RF Fed-in Interface.
- Wall, ceiling mounting.
- POE mode power supply .

Product Model	pRU3523
Dimension	188mm*188mm*45mm(1.8L/1.8kg)
Frequency	1.8GHz LTE FDD 1710-1775(UL)/1805-1870(DL) 2.1GHz LTE FDD 1920-1980(UL)/ 2110-2170(DL) 2.1GHz UMTS 2110-2170
Output Power	UMTS:1*125mW LTE FDD:2*250mW
OBW	LTE FDD:40MHz UMTS:3*5MHz
Capacity	LTE FDD supports 2 carriers. UMTS supports 3 carriers
Power Consumption	<30W
Interface capability	RJ45 electrical interface supports 1.25Gbps/2.5Gbps adaptive
Protection Degree	IP31
Power Supply	POE+, -48V DC (-40V DC ~ -57V DC)
Temperature	Long-term: -5 °C ~ +55 °C
Humidity	5% ~ 98%

PLOOK

THANK YOU !

