



BASEBAND 6630

BASEBAND 6620



BASEBAND 6630 BASEBAND 6620



› LTE, WCDMA and GSM capacity and Mixed Mode capability

- Baseband 6630 capacity & capabilities equivalent to Baseband 5216
- Baseband 6620 capacity & capabilities equivalent to Baseband 5212

- Release June 2017

BASEBAND 6630 BASEBAND 6620



› Optimized for main-remote configurations

- 19 inch wide, 1U high, <352mm deep
- 15 SFP/SFP+ for CPRI inter-connect to Radio Units reducing the need for Baseband R503
- 2 optical 1/10Gbps SFP/SFP+ ports and 2 electrical 1Gbps RJ45 ports
- Eight External Alarm ports
- Dual 48V DC power feeding
- Self-contained environmental control & field replaceable fan unit
- Hardware Prepared for NR (5G) and eCPRI



COMPARISON



COMPARISON



Baseband
6620/30

- › Baseband 6630/20 is standalone & has its own climate control
- › Baseband 6630/20 has 15 CPRI ports & dual power feeding
- › Typical power consumption estimated to (at 25°C and typical load)
Baseband 6630: 123W
Baseband 6620: 93W



Main
Unit
6601

Baseband
5212/16

Baseband
R503

Baseband Main Unit (6601) + Baseband 5216/5212 + dummy
OR
Baseband Main Unit (6601) + Baseband 5216/5212 + Baseband
R503

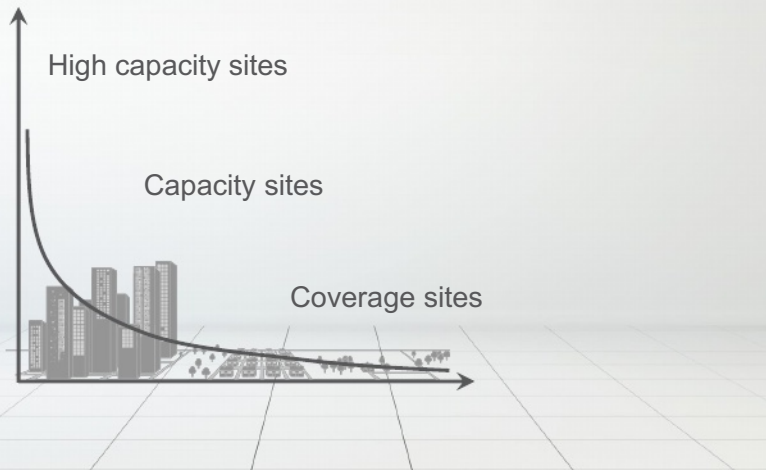
- › The RBS 6000 chassis is mandatory for Baseband 5216/12
- › Baseband R503 needed to increase number of CPRI ports
- › Baseband 6630 will have > 50W lower power consumption compared to the corresponding Baseband Main Unit (6601) + Baseband 5216 + Baseband R503 configuration

HWAC to enable more than 6 CPRI ports

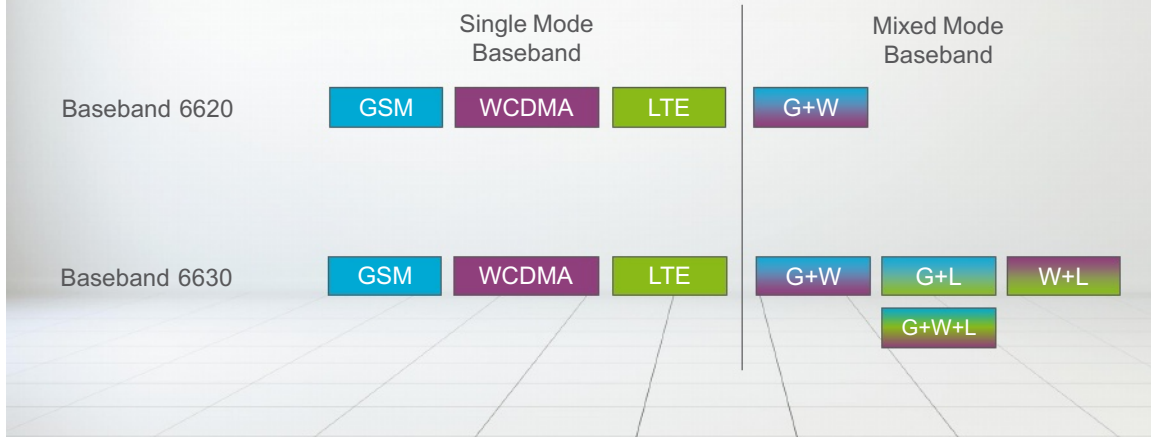
ERICSSON BASEBAND MOST FLEXIBLE ON THE MARKET



- High capacity sites
Baseband 6630 1 standard
- Capacity sites
Baseband 6630 2-3 standards
Baseband 6620 1 standard
- Coverage sites
Baseband 6630 2-3 standards
Baseband 6620 1-2 standards



BASEBAND CONFIGURATIONS FROM 17.Q1 SW



LTE CONFIGURATION EXAMPLES



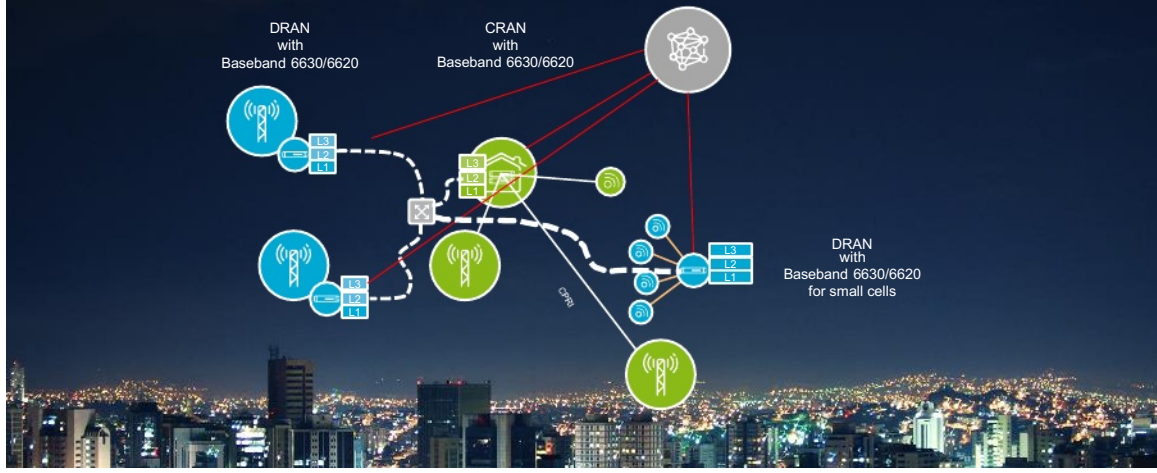
› Baseband 6630

- Up to 3 sector and 6 band sites with 20 MHz 2T2R FDD cells
- Up to 6 sector and 3 band sites with 20 MHz 2T2R FDD cells
- Up to 3 sector and 3 band sites with 20 MHz 8T8R TDD cells

› Baseband 6620

- Up to 3 sector 4 band sites with 20 MHz 2T2R FDD cells
- Up to 6 sector 2 band sites with 20 MHz 2T2R FDD cells

DRAN OR CRAN AND ELASTIC RAN



Front panel Interfaces

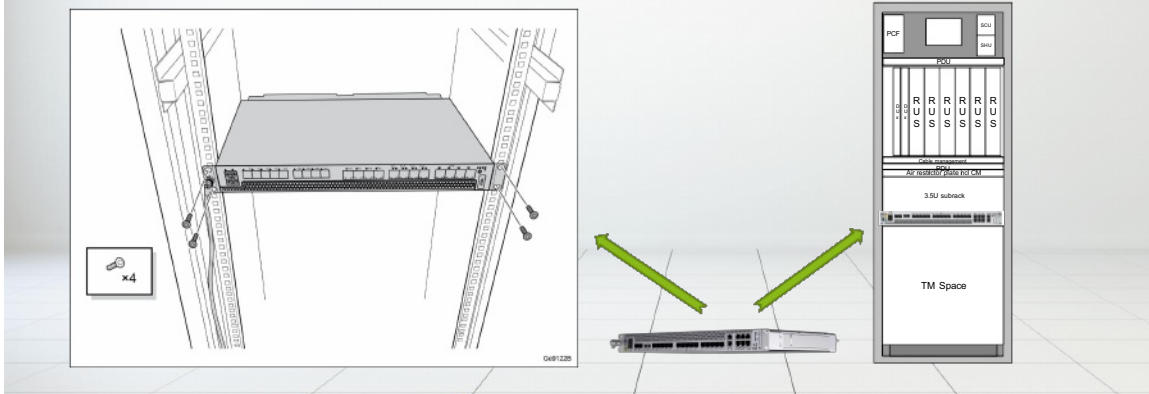


Ports	Quantity	Comments
Power	2	-48V
EC	1	RJ45
LMT	1	RJ45
TN	2+2	20G(SFP/SFP+)
IDLe	2	2 x 1G (RJ45) XCede
CPRI	15	SFP/SFP+
Sync	1	RJ45
External alarms	8	2xRJ45
SAU	1	

MOUNTING



- > In controlled environments
- > Mounting in 19 inch racks or in Transmission (TM) compartment in Ericsson enclosures



FULL SUPPORT

LTE
FDD/TDD

Massive IOT
NB-IoT



Baseband
SW 17.Q1

WCDMA

GSM

All simultaneously supported on one Baseband 6630 Module



Baseband

Baseband Radio Interconnect



Baseband Front haul & Back haul

Baseband Main Unit

Baseband 6630
Baseband 6620

Radio Baseband 6303

Radio 2203 / 2205

Micro-Baseband 6502

Outdoor Baseband

ENHANCED
BASEBAND
PORTFOLIO

C608

Baseband P614

Baseband Interconnect

Baseband PIM Mitigation

BASEBAND



Elastic RAN



Gigabit LTE



Internet of things



Spectrum efficiency

FDD/TDD

Carrier aggregation



Cloud RAN



Reduced TCO



Higher order MIMO

5G

Ready



SUMMARY



- › High capacity in smallest form factor
- › Lowest power consumption
- › Supporting all major technologies



Ericsson has the strongest baseband portfolio on the road to 5G



ERICSSON