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

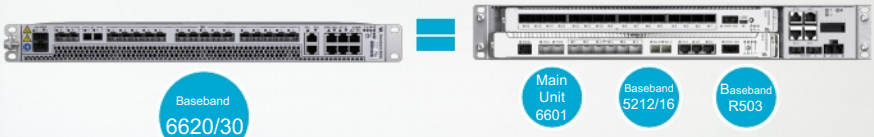


› Optimized for main-remote configurations
- 19 inch wide, 1U high, <352mm deep
- 15 SFP/SFP+ for CPRI inter-connect to Radio Units reducing the need for Baseband R503
- 2 optical 1/10Gbps SFP/SFP+ ports and 2 electrical 1Gbps RJ45 ports
- Eight External Alarm ports
- Dual 48V DC power feeding
- Self-contained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




COMPARISON

COMPARISON



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

OR

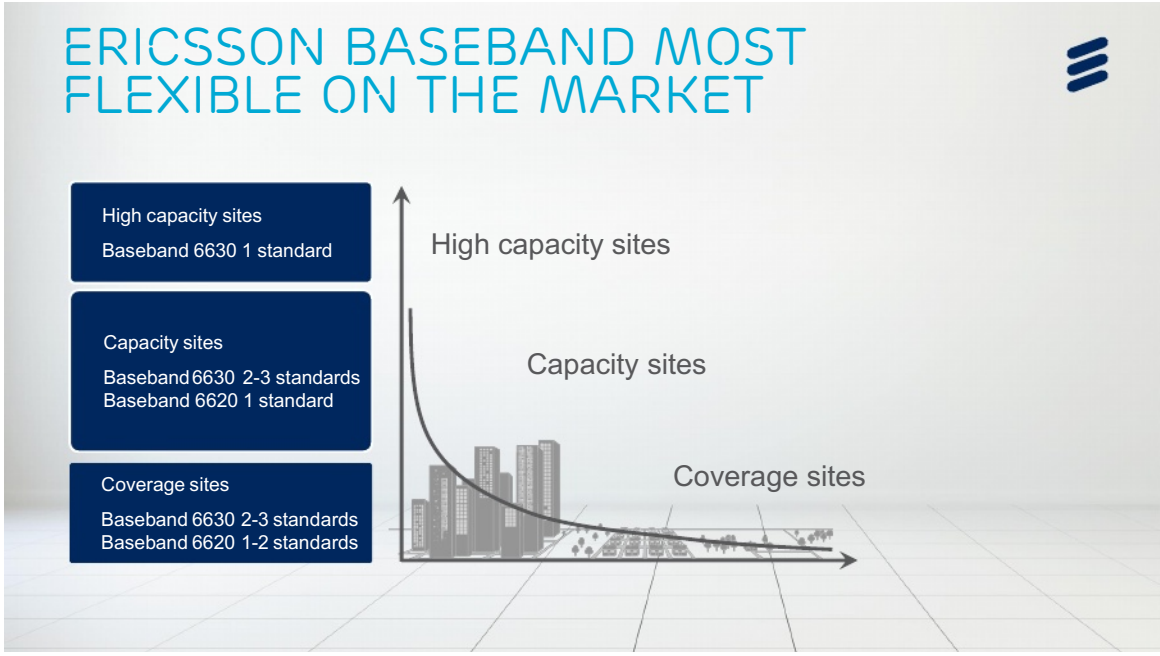
Baseband Main Unit (6601) + Baseband 5216/5212 + Baseband R503

- 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

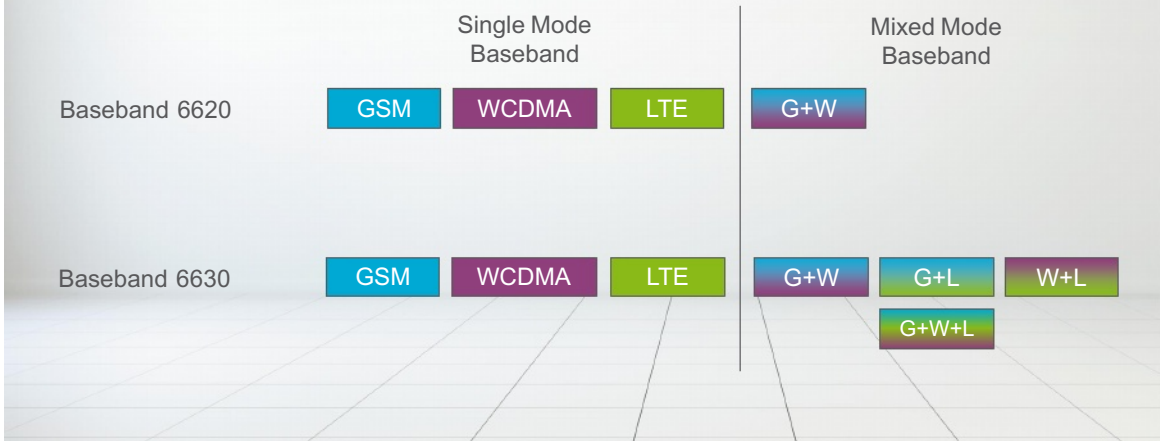
- The RBS 6000 chassis is mandatory for Baseband 5216/12
- Baseband R503 needed to increase number of CPRI ports
- Baseband 6630 will have > 50W lower power consumption compared to the corresponding Baseband Main Unit (6601) + Baseband 5216 + Baseband R503 configuration

HWAC to enable more than 6 CPRI ports

ERICSSON BASEBAND MOST FLEXIBLE ON THE MARKET



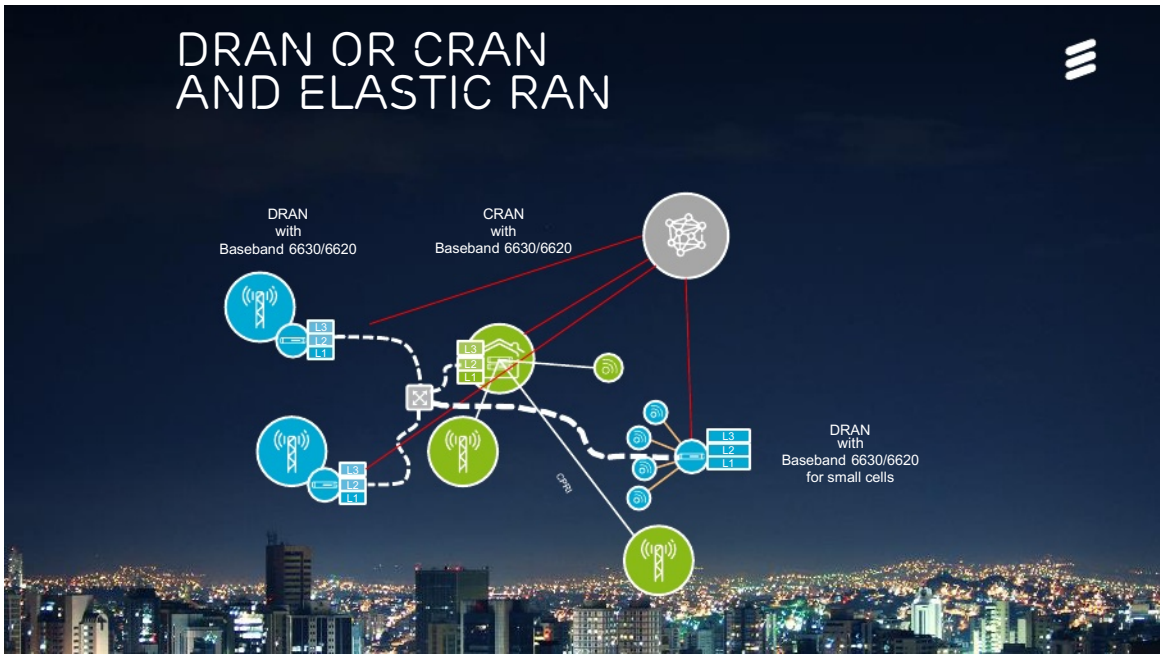
BASEBAND CONFIGURATIONS FROM 17.Q1 SW



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
DRAN
with
Baseband 6630/6620
CRAN
with
Baseband 6630/6620
L3
L2
L1
CPRI
DRAN
with
Baseband 6630/6620
for small cells

Front panel Interfaces

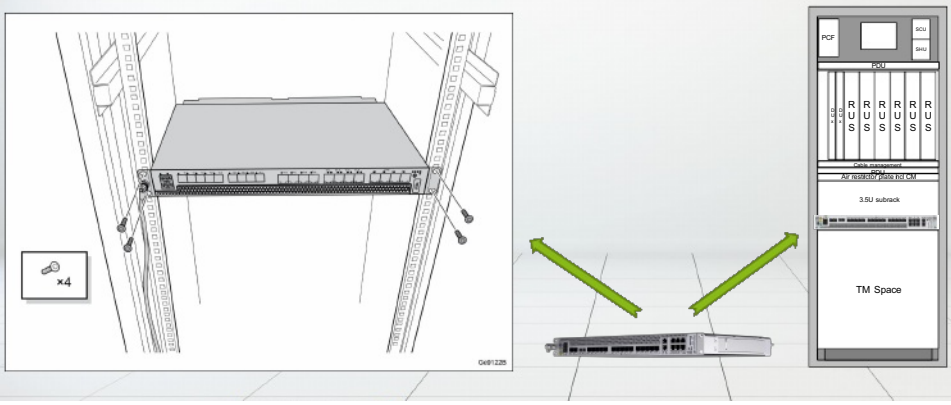


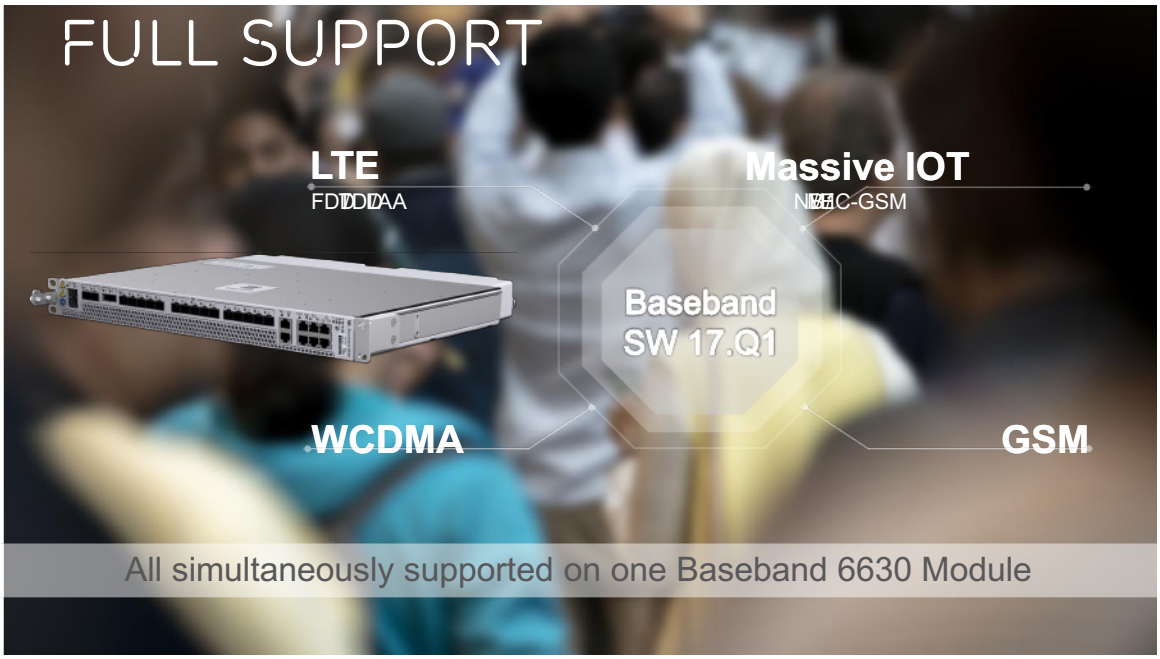
Ports	Quantity	Comments
Power	2	-48V
EC	1	RJ45
LMT	1	RJ45
TN	2+2	2 10G(SFP/SFP+) 2 x 1G (RJ45)
IDLe	2	XCede
CPRI	15	SFP/SFP+
Sync	1	RJ45
Externala larms	8	2xRJ45
SAU	1	

MOUNTING

› In controlled environments

› Mounting in 19 inch racks or in Transmission (TM) compartment in Ericsson enclosures

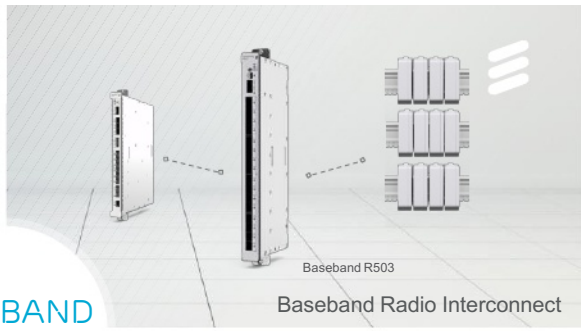



FULL SUPPORT
LTE
Massive IOT
Baseband
SW 17.Q1
WCDMA
GSM
All simultaneously supported on one Baseband 6630 Module

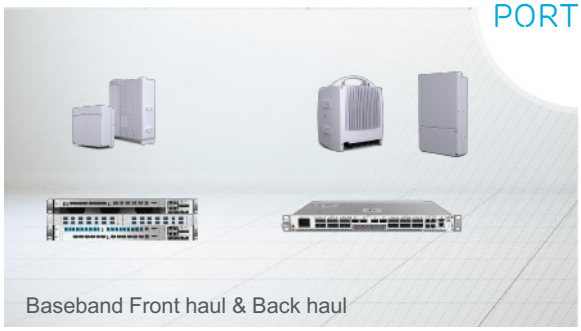
BASEBAND PORTFOLIO



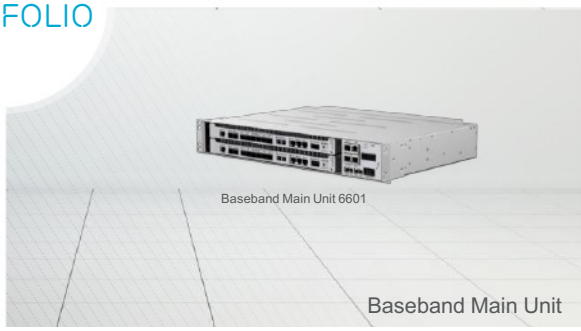
Baseband



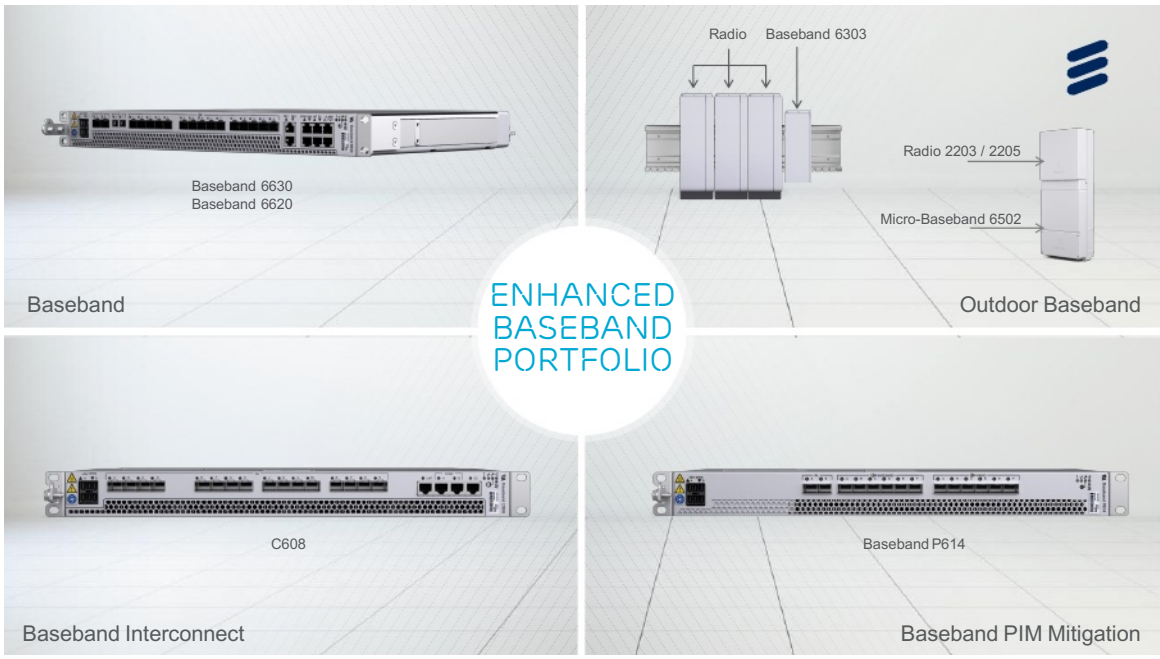
Baseband Radio Interconnect

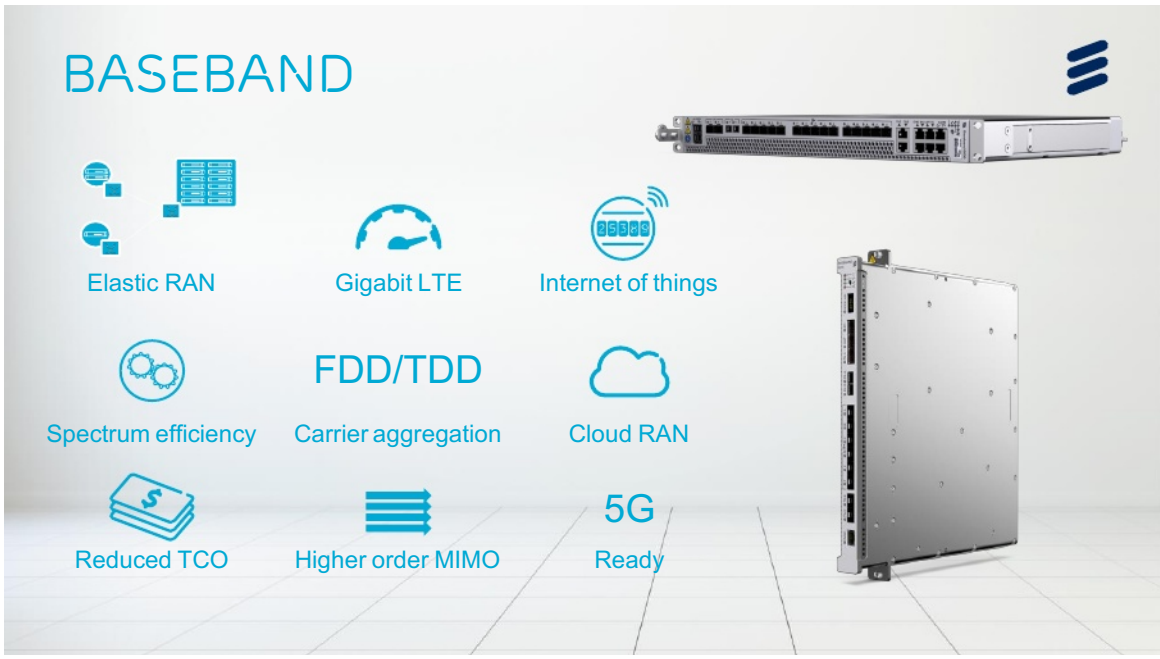


Baseband Front haul & Back haul



Baseband Main Unit


Baseband 6630
Baseband 6620
Baseband
Radio
Baseband 6303
Radio 2203 / 2205
Micro-Baseband 6502
Outdoor Baseband
ENHANCED
BASEBAND
PORTFOLIO
C608
Baseband Interconnect
Baseband P614
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



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