



ULAK TDD RRU

URB1040

N78 (3400 MHz – 3600 MHz)

- TDD
- 4T4R
- Single-Band Radio
- NR
- *Max 2 Carrier per Band
- 160W Total Output Power
- *120 (OBW), *120 (IBW)
- 320mm x 260mm x 120mm
- 10.3 Kg 10 lt
- eCPRI, ORAN 7.2a

URB1140

N78 (3600 MHz – 3800 MHz)

- TDD
- 4T4R
- Single-Band Radio
- NR
- *Max 2 Carrier per Band
- 160W Total Output Power
- *120 (OBW), *120 (IBW)
- 320mm x 260mm x 120mm
- 10.3 Kg 10 lt
- eCPRI, ORAN 7.2a

*Hardware-supported but currently not software-enabled, to be supported by future software upgrade



ULAK BBU

TBB4510

- Single RAN (4G + 5G) (LTE FDD, NR FDD, NR TDD)
- CU/DU Joint Baseband Unit
- O-RAN Fronthaul Split Option 7.2x Compliance
- Onboard 12x25 GbE SFP28 ports with eCPRI support
- 4 External alarms
- Operating Temperature -20°C to +55°C (-4°F to +131°F)
- MTBF 300000 hours@25°C

- Synchronization

GNSS

PTP(G.8275.1, G.8275.2, G.8265.1)

SyncE (G.8262, G.8264, G.8264.1)

- Holdover Time

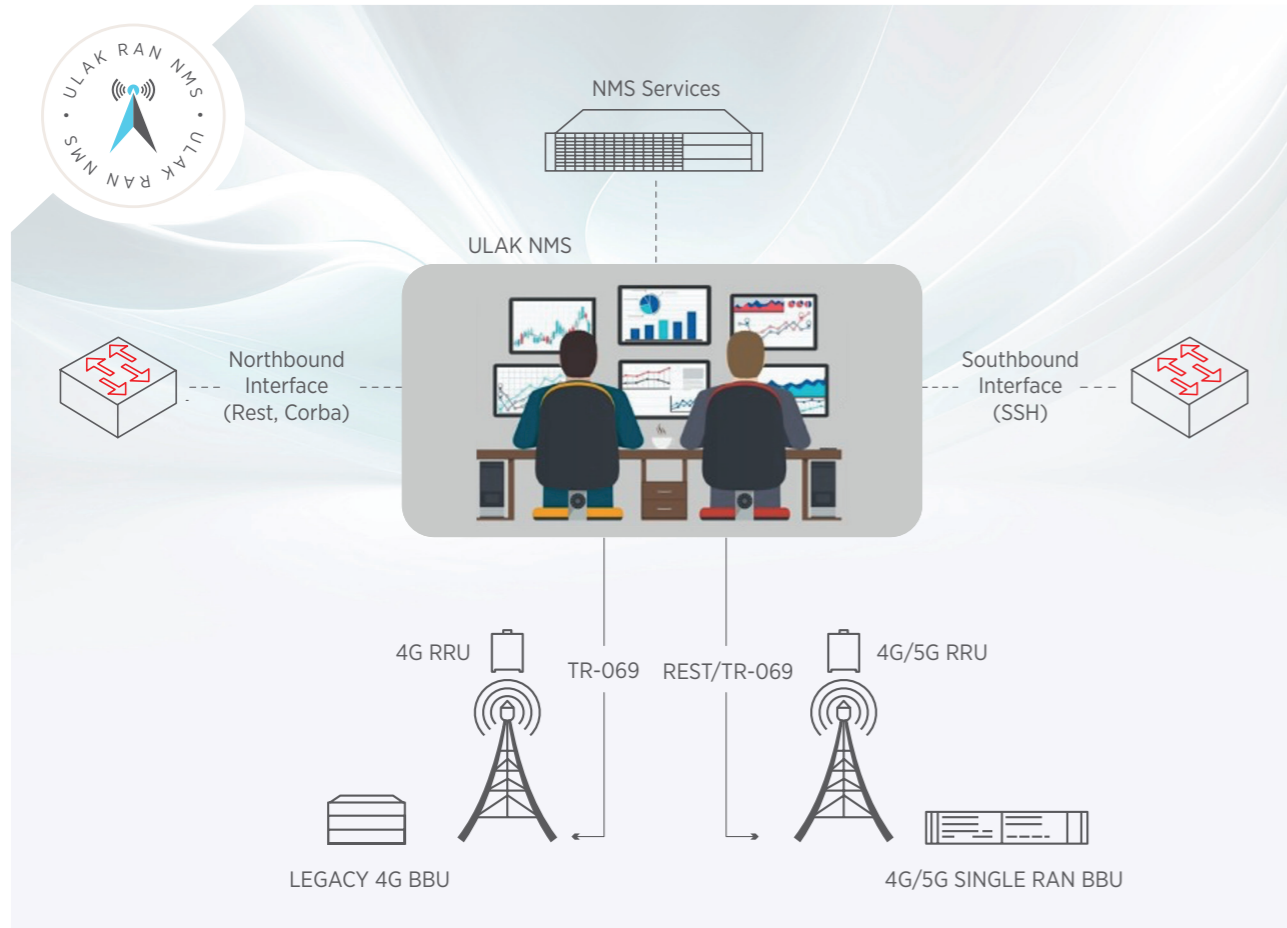
Up to 24 hours with GNSS ($\pm 1.5 \mu s$)

Up to 8 hours with PTP ($\pm 1.5 \mu s$)

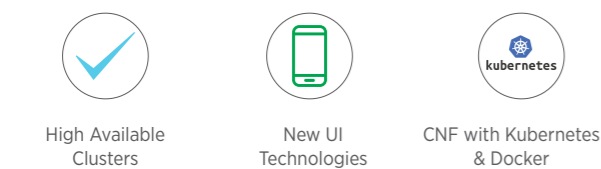
- Dimensions and Weight

436.88mm (W) x 88.9mm (H) x 298.8mm (D)

7.7 kg (17 lbs)



ULAK RAN NMS



OPERATION MANAGEMENT

- Performance Management
- Fault Management
- Configuration Management
- Software Management
- Task Management
- Live Monitoring
- Planned Area
- Script Management

SYSTEM ADMINISTRATION

- User Management
- System Settings
- Log Management
- System Dashboard

NMS INTEGRATION

- Temip
- Optima
- OneNT
- Netcool
- LDAP



ULAK FDD RRU

URB2040

B7 / N7
(2600 MHz)

- FDD
- 4T4R
- Single-Band Radio
- LTE, NR, Nb-IoT
- Max 3 Carrier per Band
- Max 2 Nb-IoT Carrier per Radio
- 80W per Port max, 320W in Total
- 60 (OBW) , 60 (IBW)
- 530mm (H) x 400mm (W) x 138.5mm (D)
- 28 Kg / 29.36 lt
- eCPRI, ORAN 7.2x

URB5040

B1+B3 / N1+N3
(2100 MHz + 1800 MHz)

- FDD
- 4T4R
- Dual-Band Radio
- LTE, NR, Nb-IoT
- Max 3 Carrier per Band
- Max 2 Nb-IoT Carrier per Radio
- 60W per Band max, 120W per Port max, 480W in total
- 60+75 (OBW) , 60+75 (IBW)
- 530mm (H) x 400mm (W) x 144.5mm (D)
- 29 kg / 30.64lt
- eCPRI, ORAN 7.2x

URB8041

B8+B20+B28 / N8+N20+N28
(900 MHz + 800 MHz + 700 MHz)

- FDD
- 4T4R
- Triple-Band Radio
- LTE, NR, Nb-IoT
- Max 2 Carrier per Band
- Max 2 Nb-IoT Carrier per Radio
- 80W per Port max, 320W in total
- 35+30+30 (OBW) , 35+30+30 (IBW)
- 400mm (H) x 415mm (W) x 158.5mm (D)
- 26.5 / Kg 26.32 lt
- eCPRI, ORAN 7.2x