

## SPECIFICATION

Frequency range	380-390MHz(Rx)/390-400MHz(Tx) 410-420MHz(Rx)/420-430MHz(Tx)
Tx power (TOC)	Max. 40W
Max. number of carrier	8 carriers
Reception	3 diversity
Sensitivity(without diversity)	Static: -120 dBm (BER 4%) Dynamic: -112dBm(TU50[TCH 7.2,BER 4%])
Synchronization	1PPS GNSS (GPS, BeiDou, GLONASS) IEEE 1588V2
Power supply	-48 VDC
Size (H x W x D)	435 x 157.5 x 340mm
Weight	≤26.5kg
Power consumption	< 400 W @ 40 W TOC
Operation temperature	-40°C~+60°C
Operation humidity	5%to100%
Atmospheric pressure	70 kPa to 106 kPa
Wind resistance	240Km/h
Degree of protection	IP66
Redundancy	Controller, MCCH, carrier, link



## TETRA iBS TETRA Integrated Base Station

- Flexible
- Reliable
- Efficient





## OVERVIEW

TETRA iBS is continuing to comply with trends of smaller and lighter in mission critical communication world. It is the new generation base station with advanced design, e.g. rugged design, flexible deployment, easy configuration, all of these can bring continuous benefits to customers.

TETRA iBS is a multi-carrier base station which is designed for both outdoor and indoor operation. Thanks to its small size, TETRA iBS is easily transported, flexibly mounted, and quickly deployed, which can achieve low Total Cost of Ownership.

TETRA iBS can also be integrated in ACCESSNET-T IP seamlessly, be fully compatible with DIB-R5 indoor, DIB-R5 outdoor base station or applied as a coverage extension for existing TETRA system.

## HIGHLIGHTS



### Low Total Cost of Ownership

CAPEX saving: Outdoor deployment, dedicated equipment room is not mandatory; Tower-mounted or pole-mounted installation requires shorter cable.

OPEX saving: TETRA iBS has low power consumption; Compact size and light weight reduce transportation cost.



### Flexible Deployment

iBS is rugged and easily deployable solution that enables diverse and rapid deployments. Be it for indoor or outdoor wide area coverage applications, iBS provides complete flexibility, covering wall, pole mounted, and vehicle mounted installations.



### Wide Communication Coverage

RF power can be 40W (2 carriers, typical configuration) to provide excellent communication coverage, what's more, iBS can be installed close to RF antennas, ensuring that cable losses are minimized and thus coverage performance maximized.



### Large Capacity

iBS is a multi-carrier base station. With the same hardware platform you can easily configure carrier capacity (1 to 4 carriers). Additionally, it is able to combine two iBS units as one site, offering 32 radio channels to handle higher voice or data load.



### Frequency Resource Saving

Carrier spacing is only 50khz, frequency utilization is high efficiently, it can effectively save frequency resource.



### Easy Maintenance

One box integrated design, easy for maintenance, low technical requirement for operation & maintenance engineer.

