Technical Specification for BN4 Network Base Station

GNSS Performance	
Positioning System	Full system, all frequency points
Satellite Frequency	BDS： B1I、BIC、B2I、B2a、B2b、B3I GPS： LIC/A、LIC、L2、L5 GALILEO： E1、E5a、E5b、E6 GLONASS： G1、G2 QZSS： LIC/A、LIC、L2、L5 NavIC： L5 SBAS: LIC/A
RTK accuracy	Plane: 0.7cm + 1ppm Elevation: 2cm + 1ppm
Time taken for first positioning	Cold start: <30s
RTK initialization time	<5s
RTK Initialization Reliability	>99.9%
Data transmission performance	
Operating Frequency	410-470 MHz
Carrier Power	1.5W or 0.5W
Modulation Mode	GFSK/4FSK
Protocol Version	Transmission protocols such as SOUTH, TRIMTALK TRANSEOT, TRIMMARK3, SATEL, etc.
air speed	9600bps、19200bps
Physical Specifications	
Show	1.54-inch, color high-brightness TFT-LCD
Support rod thread	5/8-11
External Interface	TNC × 3: Main Antenna / Sub Antenna / Data Transmission Antenna SMA × 3: 4G / WiFi / Bluetooth Antenna RJ45 × 1: Gigabit Network Interface 5-pin aviation connector × 1: Power supply + RS23 USB-C: Default for the current version (expansion space reserved in the enclosure)
Protection Level	IP65
Power Supply	
[illegible]	12V

External power supply	12V
Environmental suitability	
Operating Temperature	-20℃ ~70℃
Storage Temperature	-30℃ ~85℃