SPECIFICATIONS

RUIDE

N80/N80T

GNSS RTK RUGGED TABLET

Model	N80	N80T
OS	Android 12	
CPU	2 GHz 8-core processor	
RAM	6GB (8GB optional)	
ROM	128GB (256GB optional)	
Micrso SD extension	Supports, up to 1TB	
Rear camera	16 MP	
Front camera	8 MP	
Screen	8-inch capacitive multi-touch screen, 700 Cd/m², Corning Gorilla,Sun Readable 1280*800 (1920*1200 optional)	
WiFi	802.11 a/b/g/n/ac, 2.4GHz/5GHz	
Cellular	GSM:850/900/1800/1900 EVDO: BC0 WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 TDDLTE: Band38/Band39/Band40/Band41 FDDLTE: Band1/Band2/Band3/band4/band5/Band7/band8/band17/band20/band28 5G: N41/N78/N79"	
SIM card	two nona SIM card slots	
BT	BT5.1	
NFC	supports	
GNSS channel	72 channels	1408 channels
GNSS signal	GPS L1 GLONASS L1 GALILEO E1 BD B1	GPS L1C/A/L1C/L2P(Y)/L2C/L5 BDS B1I/B2I/B3I/B1C/B2a/B2b GLONASS G1/G2/G3 Galileo E1/E5a/E5b/E6 QZSS L1C/A/L1C/L2C/L5 NavIC L5 SBAS L1C/A Single Point Positioning (RMS): Horizontal: 1.5 m Vertical: 2.5 m DGPS (RMS): Horizontal: 0.4 m Vertical: 0.8 m RTK (RMS): Horizontal: 0.8 cm + 1 ppm Vertical: 1.5 cm + 1 ppm
Sensor	Ambient light sensor, Digital compass, Gyroscope sensor, Gravity sensor	
USB	type-C, charge and data transfer, OTG	
Button	volume +/-，menue, home, back, F1, F2, Power	
Battery	8000mAh, 3.8V, Li-ion battery, 15h. charging time 3 to 4 hours. minimum duration of 15 hours	
Quick-charge	QC3.0	
Free fall resistance	1.2m, MIL-STD-810G	
IP	IP67	
Operation temperature	-20℃~60℃	
Storage temperature	-40℃~70℃	
Humidity resistance	95% without condensation	
Size	243.3*153.5*18mm	343.3*153.5*32.5m
Weight	630g	670g
Survey software	RTK-GO with Serbian	

High-precision Android IP67 Touchscreen HD camera Dual-SIM Bluetooth Wireless NFC G-Sensor E-Compass
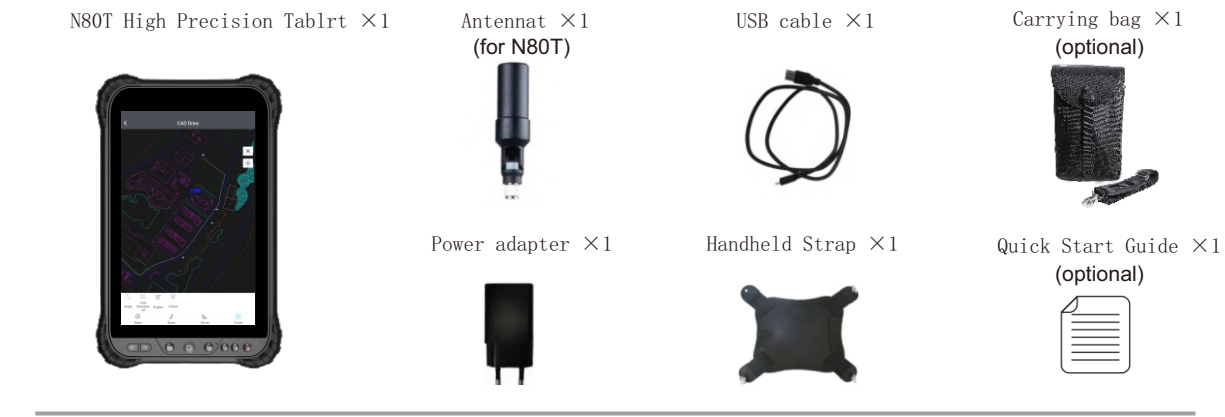
RUIDE

CE FC

N80 / N80T
ruggedized to withstand harsh environments

The N80/N80T stands out as an industrial GNSS tablet, featuring an integrated high-precision GNSS board, a highly sensitive antenna, a 5G network modem, WiFi connectivity, and Bluetooth modem. Renowned as the premier portable high-precision tablet, it excels in large-size screen mapping applications. In the current landscape, the Internet permeates every facet of modern industry, catalyzing an unparalleled overhaul and reconfiguration of survey practices. In this era of rapid growth, the imperative of data sharing is unmistakable, and the N80/N80T aptly aligns with the demands of the mapping and GIS industry, thanks to its high-speed communication modem.

NFC — NFC

USB — USB typeC, charging & Data transfering

camera & flash

centimeter-level precise positioning

Anroid 12 GMS

muti-touch screen

N80

N80T

N80T High Precision Tablrt ×1

Antennat ×1 (for N80T)

USB cable ×1

Carrying bag ×1 (optional)

Power adapter ×1

Handheld Strap ×1

Quick Start Guide ×1 (optional)

Electricity industry
Collecting wireline infrastructure GIS data.
Maintenance on electrical equipment.
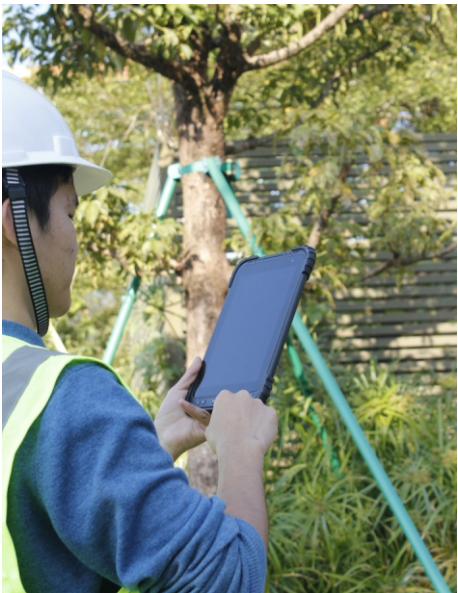Designing electrical tower sites.

Fuel Gas Industry
Collecting data on gas pipe networks.
Inspections for gas pipe networks.
Gas infrastructure positioning.

Transportation field
Patrolling highways.
Intelligent Transportation System.
Transportation travel guidance.

Construction
Public architecture designing.
Creating constructible models.

Land survey
Land environment protection surveying.
Land approval surveying.

Agriculture
Accurate fields mapping.
Creating precise boundaries.
Planning the placement of crops.