## SPECIFICATIONS

| | | |
|---|---|---|
| Distance Measurement with Reflector | Range *1 | 5000m |
| | Accuracy | ±(2+2ppmxD)mm |
| | Measure Interval | Fine: 0.3s, Tracking: 0.1s |
| Distance Measurement without Reflector | Range *2 | 1000/1500m Optional |
| | Accuracy | ±(3+2ppmxD)mm |
| | Measure Interval | 0.3-3s |
| Angle Measurement | Accuracy | 2" |
| | Measure Method (HZ/V) | Absolute Continuous, Diametrical |
| | Diameter of Encoder Disk | 79mm |
| | Display Resolution | 0.1" |
| | Compensation | Liquid, Dual Axis Compensation |
| | Compensator Setting Accuracy | 1" |
| | Compensator Range | ±4' |
| Telescope | Image | Erect |
| | Tube Length | 154mm |
| | Effective Aperture | 45mm (EDM:50mm) |
| | Magnification | 30x |
| | Resolving Power | 3" |
| | Field of View | 1°30' |
| | Focusing Range | 1.2m |
| | Reticle | Illuminated, 4 Brightness Level |
| | Plate Vial | 30"/2mm |
| Vial | Circular Vial | 8'/2mm |
| | Type | Laser Point, 4 Brightness Level |
| Laser Plummet (Default) | Accuracy | ±1.5mm at 1.5M Instrument Height |
| | Wavelength | 630-670nm |
| | Laser Class | Class 2 /IEC60825-1 |
| | Laser Power | <0.4mW |
| | Image | Erect |
| Optical Plummet (Optional) | Magnification | 3x |
| | Focusing Range | 0.5m |
| | Field of View | 5" |
| | Accuracy | ±1.5mm at 1.5M Instrument Height |
| System Config | Operating System | Android 6.0 |
| | Processor | MT6753 |
| | Internal Memory | RAM: 3GB; ROM: 32GB |
| | Interfaces | - Micro SIM |
| Communication | | - USB Type C (OTG) |
| | | - TF Card |
| | | 2G 900/1800 |
| | | 3G 2100/900 CDMA BC0 TDSCDMA A/F |
| | Network | 4G LTE band1/3/7/38/39/40/41 |
| | | Bluetooth 4.0 |
| | | Dual-Band Single Stream 802.11 a/b/g/n RF for Data Link |
| | Bluetooth WLAN Microphone / | Available |
| | Speaker Type Type Operating | TFT LCD Screen, Graphics, 720*1280 |
| | Time Size Weight Temperature | Lithium-Ion, 7.4V |
| Display | Range (Operation) Protection | 8 Hours |
| Battery | | 200mm*170mm*350mm |
| | | 5.7kgs |
| Dimension | | -20°C--+50°C |
| | | IP55 |
| Environmental | | |

*1: Good conditions (good visibility approx.40km, overcast, twilight)
*2: White objects with high reflectivity (KGC 90%)

Note: all information above is subject to change without any prior notice.

SOUTH
Target your success
71481573 - 76997450
gygtechnical@gmail.com

CENTRAL: Avenida Blanco Galindo km3.5 lado Surtidor Los Alamos.
SUCURSAL 1: Calle Sucre s/n, Colomi
SUCURSAL 2: Plaza Principal GAM casi calle Aroma, CLIZA.

GyG
GLOBAL Y GEOSISTEM

## SOUTH
### Target your success

GyG
**GLOBAL Y GEOSISTEM**

## N1 Series
### Android Total Station

**WORLD'S FIRST**
### Dual Laser EDM

- Android 6.0 O.S
- Up to 1500m Reflectorless EDM
- Large High-resolution Display
- Cable-free Connection by Bluetooth
- Intuitive On-board Software - *Survey Star & Map Star*

Version: N1 1.0

# MEASURE FARTHER AND FASTER

## World' First! Dual Laser EDM

**GyG**

**GLOBAL Y GEOSISTEM**

# WORK EFFICIENTLY

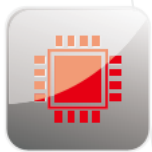## With N1 On-board Software

### Dual Laser EDM
- 1500m Non-prism
- Stronger return signal due to Its dual laser technology

### Stable Measurement
- Accuracy: 2+2ppm
- Extremely fast (0.3s) speed under fine mode

### Powerful Processor
- 8-Core processor, MT6753, boosts speed and responsiveness

### Coaxial Laser Pointer
- Provided the precise guidance for target aiming

### USB OTG, TF Card & Bluetooth
- Flexible transfer of data via PC or PDA

### WLAN & 4G Module
- Quick access to Internet

### 5.0 Inch Color & Touch Screen
- Built-in high resolution display
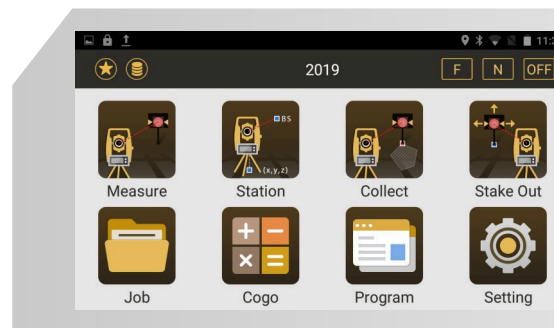
### Numerical Keypad
- Faster and easier input of data

### Intelligent O.S
- Android 6.0 O.S
- User friendliness
- Free SDK package for developer

### Intuitive Software
- Graphic guidance, intuitive workflow
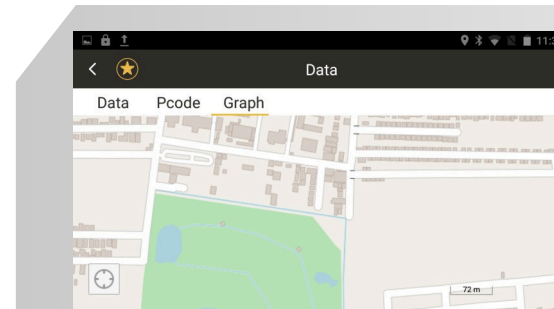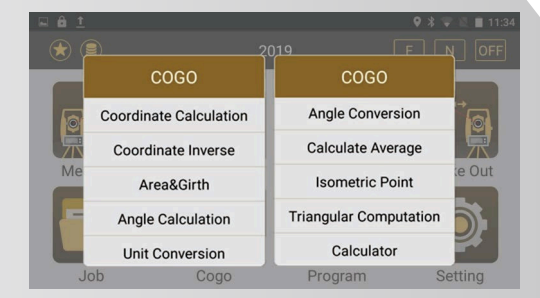- Extra application software for mapping

### Iconic User Interface
N1 helps you finish the job efficiently by graphical and iconic guidance. Benefit from the quick access of star-key and toolbar, you can set the PPM, reticle illumination, laser pointer and plummet or check the target, data or electronic sensor quickly in your job.

### Powerful Applications on N1
Easy-to-use due to its high resolution color display and powerful applications. Including but not limited to:

- Resection
- Point to Line
- Survey & Code
- Stake Out
- Reference Line
- Offset
- MLM
- REM
- Radiation
- Area & Volume
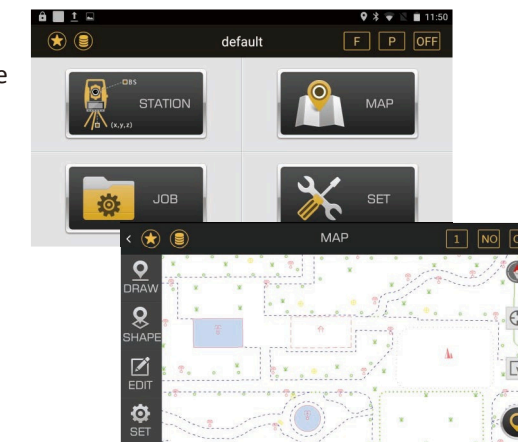- COGO
- Roads

### Data Visualization with Maps
Data visualized due to the graphic display on its downloaded map. Measurement with 2D maps enables the flexible data-checking and job-planning based on the actual position.

## Additional Application ▶▶▶

### Map Star
Integrated the function of digital mapping with measurement, Map Star simplified your outdoor job and realized the efficient mapping on mobile devices instead of PC.

- Graphic guidance with intuitive workflow
- Iconic UI for station set up, mapping, job management
- Toolbar to quickly access the instrument status
- Full library of code, included description and code number
- Draw the objects (points, lines or surfaces) and shapes (square, circle or curve) freely as your wish
- Mark the points with words, pictures or recorded voice
- Generate the digital map automatically, which will largely save your time with superior convenience

📞 **71481573 - 76997450**
✉️ **gygtechnical@gmail.com**

**GyG**
GLOBAL Y GEOSISTEM

**CENTRAL:** Avenida Blanco Galindo km3.5 lado Surtidor Los Alamos.
**SUCURSAL 1:** Calle Sucre s/n, Colomi
**SUCURSAL 2:** Plaza Principal GAM casi calle Aroma, CLIZA.