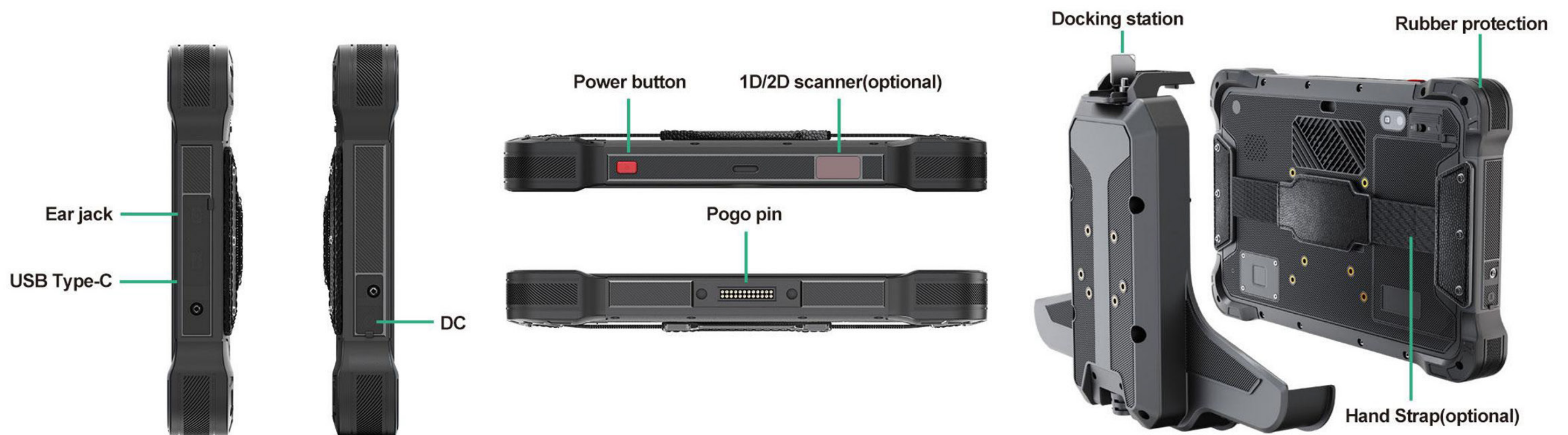
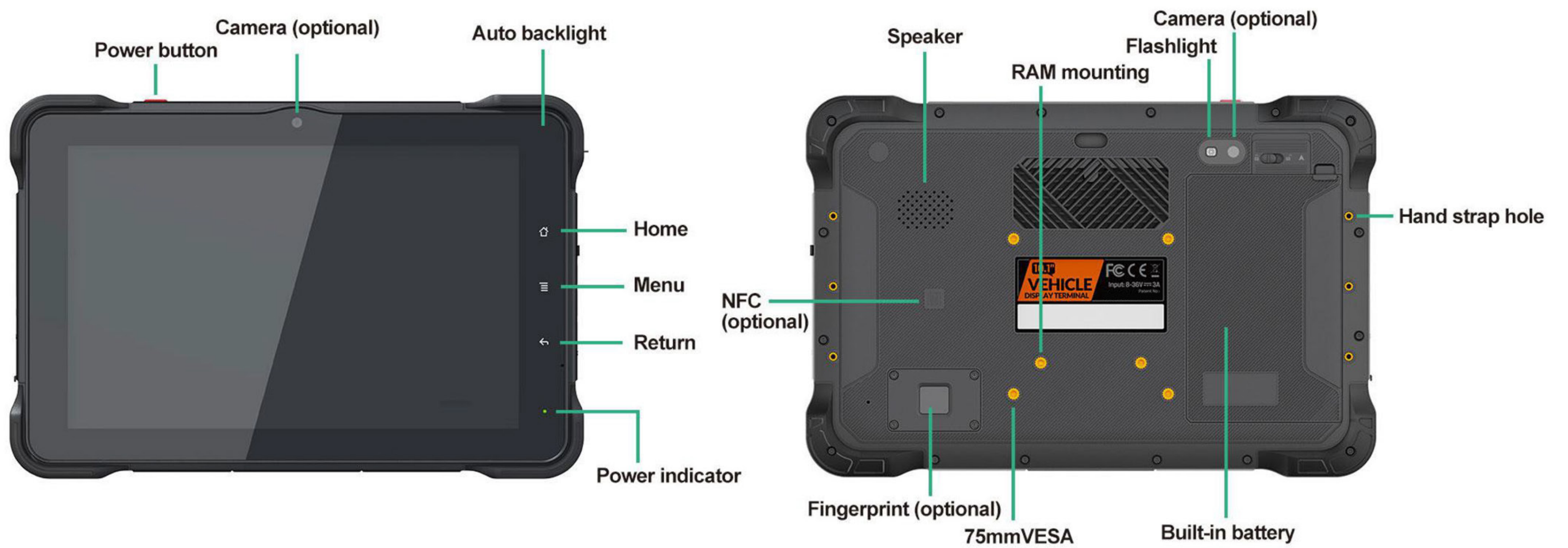




# IN-VEHICLE TABLET

## N111 | N111 PRO

N111 series tablets are rugged and reliable vehicle-mounted tablets, widely used for fleet management, advanced farming system, special industry vehicles, etc. The open platform allows all the telematics solutions partners and their customers to customize the N111 series with their own Android device-based business applications. Empower the mobile workforce with everything they need to perform their jobs efficiently and effectively. The product's hardware, OS platform and interfaces could be tailored to meet your final needs.



High brightness



Water & Dust proof



MIL-STD-810G



Real-time tracking



CANBus



Battery replaceable



Fingerprint



1D/2D scan



# Specifications

| N111                          |                                                                                            | N111 PRO |                                                                                               |
|-------------------------------|--------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------|
| CPU                           | Qualcomm Cortex-A7 32-bit Quad-core processor, 1.1GHz                                      |          | Qualcomm Cortex-A53 64-bit Octa-core Processor, 1.8GHz                                        |
| GPU                           | Adreno 304                                                                                 |          | Adreno 506                                                                                    |
| Operating System              | Android 7.1.2                                                                              |          | Android 9.0                                                                                   |
| RAM                           | 2 GB LPDDR3                                                                                |          | 2 GB LPDDR3(Default) / 4GB(Optional)                                                          |
| Storage                       | 16 GB eMMC                                                                                 |          | 16 GB eMMC (Default) / 64GB(Optional)                                                         |
| Storage Expansion             | Micro SD 64 GB                                                                             |          | Micro SD 128 GB                                                                               |
| LCD                           | 10 inch HD (1280 x 800), 1000cd/m <sup>2</sup> high brightness, sunlight readable          |          |                                                                                               |
| Touchscreen                   | Multi touch capacitive touchscreen supporting glove and rain mode                          |          |                                                                                               |
| Camera (optional)             |                                                                                            |          | Front: 5 MP                                                                                   |
|                               | Rear: 8 MP with LED light                                                                  |          | Rear: 16 MP with LED light                                                                    |
| Bluetooth                     | 4.2 BLE                                                                                    |          |                                                                                               |
| WLAN                          | IEEE 802.11 a/b/g/n, 2.4GHz/5GHz                                                           |          | IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz                                                           |
| Mobile Broadband              | LTE, HSPA+, UMTS, EDGE, GPRS, GSM (Data and Voice)                                         |          |                                                                                               |
| GNSS                          | GPS/GLONASS                                                                                |          |                                                                                               |
| NFC (optional)                | Read / Write Mode: ISO / IEC 14443 A&B up to 848 kbit/s, FeliCa at 212 &424 kbit/s         |          |                                                                                               |
|                               | MIFARE 1K, 4K, NFC Forum type 1,2,3,4,5 tags, ISO/IEC 15693 All peer-to-peer modes         |          |                                                                                               |
|                               | Card Emulation Mode(from host): NFC Forum T4T<br>(ISO/IEC 14443 A&B) at 106 kbit/s         |          | Card Emulation Mode(from host): NFC Forum T4T (ISO/IEC 14443 A&B) at 106 kbit/s<br>T3T FeliCa |
|                               |                                                                                            |          |                                                                                               |
| Sound                         | Build-in speaker 2W, 85dB                                                                  |          |                                                                                               |
|                               | Internal microphones                                                                       |          |                                                                                               |
| Interfaces                    | Type-C, USB 2.0 (For data transfer,support OTG)                                            |          | Type-C, Compliant with USB 3.0 (For data transfer,support OTG)                                |
|                               | Docking connector x1 (Pogo pin x24)                                                        |          |                                                                                               |
|                               | Headset jack                                                                               |          |                                                                                               |
| 1D/2D scanner (optional)      | All major 1D barcodes, PDF417, QR code M1/M2/Micro and Data matrix etc                     |          |                                                                                               |
| Fingerprint Reader (optional) | Capacitive, Area sensor                                                                    |          |                                                                                               |
| Sensors                       | Acceleration sensors, Ambient light sensor, Gyroscope, Compass                             |          |                                                                                               |
| Power                         | DC8-36V (ISO 7637-II compliant)                                                            |          |                                                                                               |
|                               | Battery: 3.7V, 8000mAh Li-ion (Replaceable)                                                |          |                                                                                               |
|                               | Battery operating time: about 5 hours (Typical)                                            |          | Battery operating time: about 4.5 hours (Typical)                                             |
|                               | Battery charging time: about 4.5 hours                                                     |          |                                                                                               |
| Physical Dimensions           | 277 x 185 x 31.6mm                                                                         |          |                                                                                               |
| Weight                        | 1316g (2.90lb)                                                                             |          | 1357(2.99lb)                                                                                  |
| Environment                   | Gravity drop resistance test: 120cm                                                        |          |                                                                                               |
|                               | Vibration test: MIL-STD-810G                                                               |          |                                                                                               |
|                               | Dust resistance test: IP6x                                                                 |          |                                                                                               |
|                               | Water resistance test: IPx7                                                                |          |                                                                                               |
|                               | Operating temperature: -10° C ~ 65°C (14°F ~ 149°F) / 0°C ~ 55°C (32°F ~ 131°F) (charging) |          |                                                                                               |
|                               | Storage temperature: -20°C ~ 70°C (-4°F ~ 158°F)                                           |          |                                                                                               |



Interface



| Docking Station               |                               | All in one Cable              |  |
|-------------------------------|-------------------------------|-------------------------------|--|
| USB2.0(Type-A)                | x1                            | x1                            |  |
| RS232                         | x2                            | x2                            |  |
| Docking Station Status        | x1                            | x1                            |  |
| ACC                           | x1                            | x1                            |  |
| power                         | x1                            | x1                            |  |
| CANBUS                        | CAN 2.0b (optional)           | CAN 2.0b (optional)           |  |
|                               | J1939 (optional)              | J1939 (optional)              |  |
|                               | OBD-II (optional)             | OBD-II (optional)             |  |
| GPIO (Positive Trigger input) | Input x2, Output x2 (Default) | Input x2, Output x2 (Default) |  |
|                               | GPIO x6 (optional)            | GPIO x6 (optional)            |  |
| Analog Inputs                 | x3 (optional)                 | x3 (optional)                 |  |
| 1-wire                        | optional                      | optional                      |  |
| RJ45                          | optional                      | optional                      |  |
| RS485                         | optional                      | optional                      |  |
| RS422                         | optional                      | optional                      |  |
| Video in                      | optional                      | optional                      |  |



# Docking Station



SECURITY LOCK



1.912 RAM MOUNT



VESA 75MM



RICH INTERFACES



POGO PINS



STRONG AND STABLE

## Accessories



- Allen wrench
- Screws for RAM



USB to Type-C cable



Power adaptor



J1939 female to open wire



OBD-II female to open wire



RAM-101U  
RAM 1.5" Double Ball Mount with Backing Plate

Optional