

Genuine
Korean
Manufacturer
for Rugged
Mobile
Terminal



*Design
Developed
Manufactured
in Korea*

GEN2WAVE

COMPANY PROFILE

Gen2wave is established to be the best global enterprise mobility solution provider.



Gen2wave is genuine manufacturer of rugged mobile terminals for professionals.

It is head-quartered in South Korea, heart of global IT industry. Full process of product design, R&D and manufacturing have been conducted in South Korea.

Advantaging superior R&D infrastructure of South Korea and alliancing with strong Korean technological partners, such as Samsung and LG, Gen2wave has introduced innovative and leading technologies into the market.

Our product portfolio consists of a wide range of varieties : Smartphone, Tablet, RFID , Biometric terminals and SW which supports convenient and secure installation and operation of them.

Not only it is professional, but also each product has generated unique and exceptional values to customers.

Delivering complete enterprise mobility solutions with sincerity toward each and every customer, we take rugged mobility to endless possibilities



PRODUCTS LINE-UP

RP70

- Windows 10 IoT Enterprise
- 1.9GHz Quad core Processor [Intel Cherry Trail X5-Z8350 Processor]
- Sunlight-Readable Display (700nits)
- IP65/1.2M drop to concrete.
- 600gram lightness



RP70A

- Android 8.1 Oreo
- 1.8GHz Hexa Core CPU [Rockchip RK3399]
- Sunlight-Readable Display (700nits)
- IP65/1.2M drop to concrete.
- 600gram lightness



EID10Plus

- MRZ scanner : OCR310e
- Fingerprint Reader : Morpho CBM-E3
- Contact Type Smartcard Reader
- NFC Reader
- MSR[Magnetic Stripe Reader]



EID10

- MRZ scanner : OCR310e
- Fingerprint Reader
- Contact Type Smartcard Reader
- NFC Reader
- MSR[Magnetic Stripe Reader]



RP2000

- Android 8.1 Oreo
- 2.2GHz Octa-Core [Qualcomm ® Snapdragon™ SDM660]
- 5.0 inch Full HD/Gorilla Glass 3
- IP67 Sealing / 1.5m drop to concrete
- MIL-STD 810G Military Standard



RP1600X

- Android 8.1 Oreo
- 1.8GHz Hexa-Core [Rockchip RK3399]
- Sunlight Readable 4.3 inch WVGA/Gorilla Glass 3
- IP64 & 1.5m drop to concrete



RP1500

- Android 6.0 Marshmallow
- 1.8GHz Octa-core CPU [SAMSUNG Exynos]
- Sunlight Readable 4.3 inch WVGA/Gorilla Glass 3
- IP64 & 1.5m drop



RPT100

- Bluetooth Companion RFID and Barcode Reader
- Host Device : Windows 10, 8, 7, Vista, XP, Mobile, CE, MAC OS X, iOS 7 and higher
- Protocol Standard: EPC Global Gen2 ISO 18000-6C
- Reader Chip: Impinj R2000
- IP68 Sealing / 1.8m drop to concrete



RPT50

- UHF RFID Reader
- Host Devices: Android 2.1 and above, Windows 10, 8.1, 8, 7, Vista, XP, Windows Embedded Types CE 5.0, Windows Mobile 6.5 etc
- Light weight of 170 gram



Tablet Computer

RP70

Truly Handy and Pocketable 7inch Tablet



Key Features

- Windows 10 IoT Enterprise
- INTEL Cherry Trail Quad Core Processor
- Sunlight-Readable Display (700nits)
- IP65 & 1.2m Drop
- Ultra Slim 18mm&Light weight 600g
- User Removable Battery without Reboot
- Built-in 1D/2D Barcode Scanner
- 4G LTE support
- 4 Different Touch Modes including Pen&Touch Mode, Rain Mode, Glove Mode and Pen Mode
- Screenlock Mode to prevent Erroneous Input
- Easy key mapping & intuitive UI

	Description
CPU	INTEL Cherry Trail Quad Core X5-Z8350 Processor (1.44GHz up to 1.9GHz/2MB Cache/64bit/SDP 2W)
OS	Windows® 10 IoT Enterprise
Memory	RAM 4GB / ROM 64GB
Communication Interface	Tablet side : USB3.0 Host Extension 10pin connector : Serial, USB2.0 Host I/O 25pin connector : USB2.0 Host, HDMI, Serial Ethernet (with cradle)
Touch Panel	Capacitive Touch / Gorilla Glass 3
Standby Time	100 hours / 5,600mAh standard battery
Video Streaming Time	5 hours / 5,600mAh standard battery 8 hours / 10,050 mAh Extended Battery (keep turning on the LCD module and the communication module)
Drop/Sealing	1.2M drop to concrete. / IP65
Operating Temperature	-20 °C ~ +60 °C
Storage Temperature	-30 °C ~ +70 °C
Humidity	Non-condensing, 93%
Dimensions	203mm (W) x 131 mm (H) x 18mm (D)
Weight	600 gram with 5,600mAh standard battery
Display	7 Inch / WXGA (1280x800), 700 nits (cd/m²)
Input	3 Front keys, 5 Side keys (Programmable)
Battery	Standard : 5,600mA/h, 3.7V, Li-polymer Extended : 10,050mA/h, 3.7V, Li-Ion polymer
Expansion Slot	MicroSDXC / Up to 2 TB cards supported
Audio	Dual Speaker / Receiver / MIC
Wireless (WWAN)	Frequency band EU (USA Optional) 4G LTE : 800, 900, 1800, 2100, 2600MHz 3G HSPA+ : 900, 1800, 2100MHz 2G GSM/GPRS : 900, 1800MHz
Wireless LAN	802.11 a/b/g/n/ac
Bluetooth	Bluetooth 4.0 + HS (BT Headset support)
GPS	Embedded A-GPS, GLONASS (optional)
Notification	Charging status LED, Power on/off LED
Scanner	2D Imager (Honeywell N3680)
Camera	8.0MP Rear Camera/ 2.0MP Front Camera
NFC	Integrated NFC Reader [NXP PN548]

Accessories

SDTC-RP70-01
Desktop Cradle



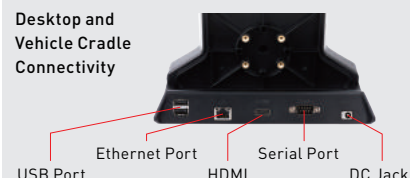
VC-RP70-01
Vehicle Cradle



CLJC-04
Cigarette lighter
Charging cable for
Vehicle cradle



Desktop and
Vehicle Cradle
Connectivity



Tablet Computer

RP70A

New possibility between handy smartphone and tablet PC.



Key Features

- Android 8.1 Oreo
- 1.8GHz Hexa Core Rockchip RK3399
- Sunlight-Readable Display (700nits)
- IP65 & 1.2m Drop
- Ultra Slim 18mm&Light weight 600g
- Hot Swappable Battery
- Built-in 1D/2D Barcode Scanner
- 4G LTE support
- 4 Different Touch Modes including Pen & Touch Mode, Rain Mode, Glove Mode and Pen Mode
- Screen lock Mode to prevent Erroneous Input
- Easy key mapping & intuitive UI



	Description
CPU	1.8GHz Hexa-core Rockchip RK3399 Cortex A72 Dual-Core (1.8 GHz) Cortex A53 Quad-Core (1.4GHz)
OS	Android 8.1 Oreo
Memory	RAM 4GB / ROM 32GB (64GB / 128GB optional)
Communication Interface	Tablet side : USB3.0 Host, USB2.0 Client Extension 10pin connector : Serial, USB2.0 Host I/O 25pin connector : USB2.0 Host, HDMI, Serial Ethernet (with cradle)
Touch Panel	Capacitive Touch / Gorilla Glass 3
Standby Time	100 hours / 5,600mAh standard battery
Video Streaming Time	5 hours / 5,600mAh standard battery 8 hours / 10,050 mAh Extended Battery (keep turning on the LCD module and the communication module)
Drop/Sealing	1.2M drop to concrete. / IP65
Operating Temperature	-20 °C ~ 60 °C
Storage Temperature	-30 °C ~ 70 °C
Humidity	Non-condensing, 93%
Dimensions	203mm (W) x 131 mm (H) x 18mm (D)
Weight	600 gram with 5,600mAh standard battery
Display	7 Inch / WXGA (1280 x 800), 700 nits (cd/m ²)
Input	3 Front keys, 5 Side keys (Programmable)
Battery	Standard : 5,600mA/h, 3.7V, Li-polymer Extended : 10,050mA/h, 3.7V, Li-Ion polymer
Expansion Slot	MicroSDXC / Up to 2 TB cards supported
Audio	Dual Speaker / Receiver / MIC
Wireless (WWAN)	Frequency band EU (USA Optional) 4G LTE : 800, 900, 1800, 2100, 2600MHz 3G HSPA+ : 900, 2100MHz 2G GSM/GPRS : 900, 1800MHz
Wireless LAN	IEEE 802.11 a/b/g/n/ac
Bluetooth	Bluetooth 4.2 BLE (BT Headset Support)
GPS	Embedded A-GPS, GLONASS (optional)
Notification	Charging status LED, Power on/off LED
Scanner	2D Imager [Zebra SE4710]
Camera	13.0MP Rear Camera/2.0MP Front Camera
NFC	Integrated NFC Reader [NXP PN548]

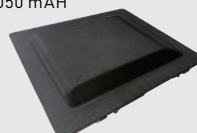
CLJC-05
Direct Vehicle
Charger



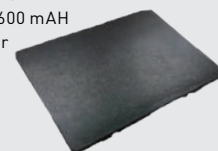
HAS-02
Hand Strap



BTY-RP70-E
Battery 10,050 mAh
Li-ion
Polymer



BTY-RP70-S
Battery 5,600 mAh
Li-Polymer



Handheld EID Reader

EID10Plus

All-in-One EID & Biometric
Reading Mobile Terminal



	RP1600 Description
CPU	1.8 GHz Octa-core processor (SAMSUNG Exynos 5430)
OS	Android 6.0 Marshmallow
Memory	RAM 3GB, ROM 16GB
Communication Interface	Host : USB2.0 High Speed Client : USB 2.0 High Speed External Serial RS232C RJ45 Port (1Slot/4Slot Ethernet Cradle) *Only USB Client operates when installing EID 10 PLUS
Touch Panel	Capacitive Touch or Resistive Touch / Gorilla Glass 3
Drop / Sealing	1.5m drop to concrete / IP64
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Dimensions	147mm(H) X 78mm(W) X 21mm(D)
Weight	250g with standard battery (2000mAh) 300g with extended battery (4000mAh)
Display	4.3 inch WVGA (Sunlight readable)/480 X800
Input	5 Shortcut Keys
Standard battery	2,860mAh Li-ion Contact Smart Card Reader (optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available
Expansion Slot	Micro SD card(up to 32GB)
Audio	Speaker / Receiver / MIC
Wireless (WWAN)	Gemalto PLS8-E : LTE, HSPA+, EDGE, GPRS LTE : 800, 900, 1800, 2600Mhz HSPA+ : 900, 1800, 2100Mhz GSM/GPRS/EDGE : 900, 1800Mhz
Bluetooth	Bluetooth V4.2 BLE + HS (BT Headset support)
Wireless LAN	IEEE 802.11 a/b/g/n/ac
GPS	A-GPS (Ublox-7 Series)
Notification	Vibration and Charging LED, noise when certain icon is tapped on screen
Barcode Scanner	1D Laser Scanner (Zebra SE965) 2D Imager (Zebra SE4750)
Camera	13MP Auto Focus with LED Flash
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support (NXP PN547) 2 SAM Slots
Sensor	Acceleration Sensor, Magnetic Field Sensor, Proximity and Ambient Light Sensor
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)

	EID10 Plus Description
OCR (MRZ Reader) Model	OCR310e
Standard OCR Fonts	OCR-B and E13B
Machine Readable Passports (MRP)	2 lines of 44 characters
Machine Readable Visas (MRV)	2 lines of 44 characters, 2 line of 36 characters
Travel Documents	2 lines of 36 characters, 3 line of 30 characters
Field of View Object Height	19.6 mm nominal
ID Document	1 line of 30 characters, 2 lines of 36 characters, 3 lines of 30 characters
MRZ stripe speed	up to 100cm/sec
OCR decoding	up to 0.3 second Field of view object height: 19.6 mm nominal
Depth of Field	1.5 mm maximum from imager window

	MSR (Magnetic Stripe Card Reader)
Model	MH1637A
Magnetic stripe Reader	Reads magnetic cards complying with ISO7811/2-5

	Fingerprint Authentication Performance
FAR(False Acceptance Rate)	<10 (Depending on the security requirements)
Verification Time	0.6 sec in 1:1 mode, 0.7sec in 1:500 mode

	EID10 Plus Fingerprint Sensor
Model	Morpho CBM-E3
Sensor Type	Optical Sensor
Sensing Area	22.0mm(W) x 14.0mm(L)
Sensing Quality	500 dpi
Pixel Resolution	256 gray scale values
Database capacity(users)	500 (Standard) up to 5000
Database capacity (templates or fingers)	1000 (Standard) up to 10000
Matching capability(1:N)	1:500 (Standard) up to 1:5000
Matching Speed	0.6s in 1:1 mode / 0.7 in 1:500 mode
1 Finger 1 Template Data	256 Byte
Certifications	FBI PIV IQS / ISO 19794-4: 20011(Annex. B) MINEX & FIPS 201 compliant algorithms / STQC

Accessories

SDTC-RP1000-UX
Desktop cradle with USB
Type A and B



4DTC-RP1000-CE
Ethernet 4 slot cradle
with PSU



SDTC-RP1000-UE
Desktop cradle with USB
Type A and B,
and Ethernet



PS-RP1000-SDTC
Power supply for
single-slot
desktop cradle



Application



Law Enforcement



Border Control & Refugee Registration



Compulsory ID Registration In
Pharmacy, Phone Shop



Benefit Delivery



ID Recognition in Voting and Ballot Box

Handheld EID Reader

EID10 Alpha

Handheld Fingerprint Scanner
Integrated FBI-Certified FAP 45 Two-Finger Roll Scanner



IC Card Reader



1D/2D Barcode



NFC Reader



	Fingerprint Scanner (SHERLOCK)
Sensor Type	LE Polymer Film
Camera	TFT
Frames	> 10 FPS across 1.5" x 1.6" platen
Resolution	500DPI
Capture area	40mm(W) x 38mm(H)
Image Size	800(W) x 750(H) pixels
Sunlight	Has no effect on fingerprint image
FBI Certifications	Appendix F Mobile ID IQS SAP45
API Interface	Capture Two finger Capture roll image BIOAPI 2.0

	Dimension and Environment
Dimension	112mm(W) x 78mm(L) x 30mm(D)
Sealing	IP54
Drop	1.5m
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 60°C
Compatible Devices	RP1600, RP1500 and RP1700

Application



Airports



Law Enforcement



Border Control

Handheld EID Reader

EID10 Plus

All-in One EID & Biometric
Reading Mobile Terminal



Barcode Scanner



MSR



NFC Reader



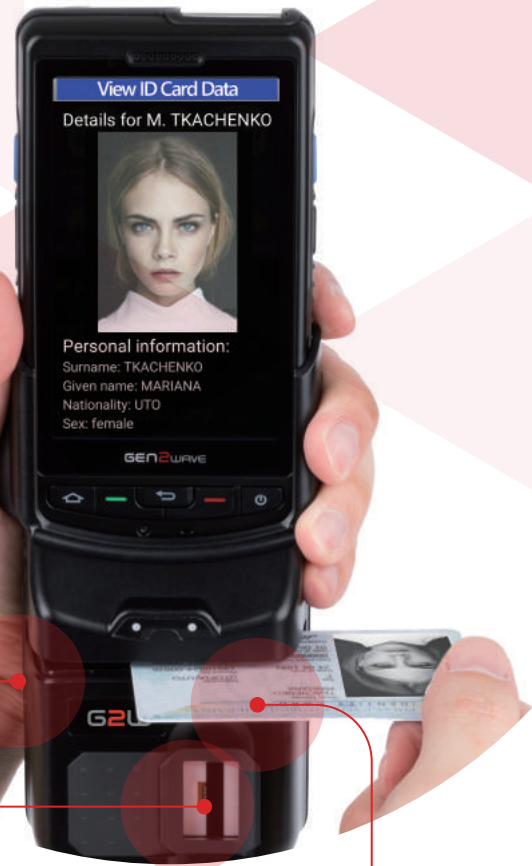
OCR/MRZ



Fingerprint
Reader



Contact Type
Smartcard
Reader



Rugged Handheld Computers

RP2000

Rugged & Professional Android Smartphone

Key Features

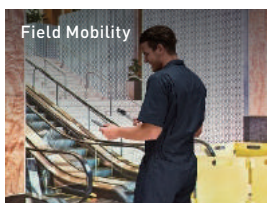
- 2.2 GHz Octa-Core Processor [Qualcomm ® Snapdragon™ SDM660]
- RAM 4GB / ROM 32GB
- Android 8.0 Oreo
- 5 inch Full HD (1920 x 1080) Gorilla Glass 3
- Meets MIL-STD 810 G standards
- IP67 / 1.5m Drop certified
- Push-to-Talk / Push-to-Video functions (Dual loud speakers : 1.5W X 2)
- Supporting up to 1,000 concurrent PTV users, 10,000 PTT users
- 2 USIM slots
- Ergonomic Design & 270g of lightweight
- Supports global 4G LTE, 3G UMTS/HSPA/HSPA+, 2G GSM/GPRS/EDGE



	Description
CPU	2.2 GHz Octa-Core Processor [Qualcomm ® Snapdragon™ SDM660]
OS	Android 8.0 Oreo
Memory	RAM 4GB / ROM 32GB
Communication Interface	2 USIM Slots
Touch Panel	Capacitive Touch Screen (Glove & Wet Touch)
Drop	1.5m, 5ft MIL-STD 810G (Military Standard)
Sealing	IP67
Operating Temperature	-20°C to 55°C / -4°F to 131°F
Storage Temperature	-30°C to 80°C / -22°F to 176°F
Humidity	5% to 95% Non-Condensing
Physical PTT Key	Programmable
Dedicated PTT Speakers	Front-Located 3W Dual Loud Speakers
Standard Accessories	Desktop Cradle, 4 Slot Cradle, Snap-on Charger, RS-232 / USB Cable, Vehicle Mount, Hand Strap

	Description
Dimensions	156.5mm(L) x 81.1mm(W) x 16.6mm(H)
Weight	270g with Standard Battery
Display	5.0 in. Full HD (1080 x 1920) Gorilla Glass 3
Input	On-Screen Keypad / Physical PTT Key (Programmable)
Battery	Li-ion Polymer 3,500mAh / Standard Battery
Expansion Slot	MicroSD Card Slot upto 128GB
Audio	Dual Loud Speakers; 1.5W X 2
Wireless LAN	IEEE 802.11 a/b/g/n/ac
Bluetooth	Bluetooth v4.1 BLE
GPS	AGPS , GLONASS, BeiDou
Notification	Audible Tone; Multi-Color LEDs; Vibration
Scanner	1D/2D Imager (SE4710)
NFC	ISO15693, 14443A/B
Camera	13.0MP Rear Camera/ 2.0MP Front Camera

Application



RP1600X

Rugged Android Smartphone



Key Features

- Android 8.1 Oreo
- Powerful and Speedy 1.8GHz Hexa core processor Rockchip RK3399
- RAM 3GB / ROM 32GB
- 4.3 inch WVGA display
- 4G LTE
- Rugged Construction [Rubber protection & Magnesium frame inside]
- Superior GPS accuracy & performance [built-in Ceramic Antenna]
- 1D & 2D professional scanner
- Extra-long battery autonomy [4000mAh]
- 200mAh built-in backup battery Hot swappable battery
- Intelligent Data Capture System
- Autosetup to Preset massive number of products at once

	Description
CPU	1.8GHz Hexa-core processor (Rockchip RK3399) (Cortex A72 Dual-core 1.8GHz, / Cortex A53 Quad core 1.4Ghz)
OS	Android 8.1 Oreo
Memory	RAM 4GB / ROM 32GB
Communication Interface	USB 3.0 Host, USB 2.0 Client External Serial RS232C RJ45 Port (1Slot/4Slot Ethernet Cradle)
Touch Panel	Capacitive Touch (Gorilla Glass 3) / Resistive Touch
Drop / Sealing	1.5m drop to concrete / IP64
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Dimensions	147mm(H) X 78mm(W) X 21mm(D)
Weight	250g with standard battery (2860mAh) 300g with extended battery (4000mAh)
Standard battery	2,860mAh Li-ion Contact Smart Card Reader (optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available

	Description
Input	5 Shortcut Keys
Expansion Slot	Micro SDXC / Up to 2 TB
Audio	Speaker / Receiver / MIC
Wireless (WWAN)	Gemalto PLS8-E : LTE, HSPA+, EDGE, GPRS LTE : 800, 900, 1800, 2600Mhz HSPA+ : 900, 2100Mhz GSM/GPRS/EDGE : 900, 1800Mhz
Bluetooth	Bluetooth V4.2 BLE + HS (BT Headset support)
Wireless LAN	IEEE 802.11 a/b/g/n/ac
GPS	A-GPS (Ublox-7 Series)
Notification	Vibration and Charging LED, noise when certain icon is tapped on screen
Barcode Scanner	1D Laser Scanner (Zebra SE965) 2D Imager (Zebra SE4750)
Camera	13MP Auto Focus with LED Flash
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support (NXP PN547) 2 SAM Slots
Sensor	Acceleration Sensor, Magnetic Field Sensor, Proximity and Ambient Light Sensor
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)



Law Enforcement



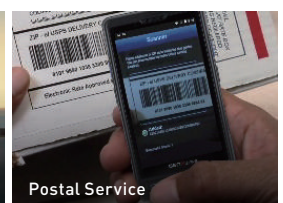
Meter Reading



Warehouse Management



Transportation



Postal Service

Handheld Computers

RP1600

Rugged Android Smartphone

Key Features

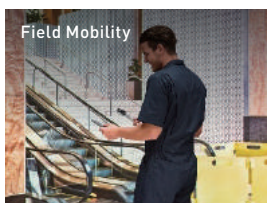
- Android 6.0 Marshmallow
- Powerful & Speedy 1.8GHz Octa-core CPU
- RAM 3GB / ROM 16GB
- 4.3 inch WVGA display
- 4G LTE
- Rugged construction(Rubber protection & Magnesium frame inside)
- Superior GPS accuracy & performance(built-in Ceramic Antenna)
- 1D & 2D professional scanner
- Extra-long battery autonomy (4000mAh)
- 200mAh built-in backup battery
- Intelligent Data Capture System
- Autoseup to preset massive number of products at once



	Description
CPU	1.8 GHz Octa-core processor [SAMSUNG Exynos 5430]
OS	Android 6.0 Marshmallow
Memory	RAM 3GB / ROM 16GB
Communication Interface	Host : USB2.0 High Speed Client : USB 2.0 High Speed External Serial RS232C RJ45 Port (1Slot/4Slot Ethernet Cradle)
Touch Panel	Capacitive Touch [Gorilla Glass 3] / Resistive Touch
Drop / Sealing	1.5m drop to concrete / IP64
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Dimensions	147mm[H] X 78mm[W] X 21mm[D]
Weight	250g with standard battery (2,860mAh) 300g with extended battery (4,000mAh)
Display	4.3 inch WVGA (Sunlight readable)/480 X800
Input	5 Shortcut Keys
Standard battery	2,860mAh Li-ion Contact Smart Card Reader(optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available

	Description
Expansion Slot	Micro SD card(up to 32GB)
Audio	Speaker / Receiver / MIC
Wireless (WWAN)	Gemalto PLS8-E : LTE, HSPA+, EDGE, GPRS LTE : 800, 900, 1800, 2600Mhz HSPA+ : 900, 1800, 2100Mhz GSM/GPRS/EDGE : 900, 1800Mhz
Bluetooth	Bluetooth V4.2 BLE + HS (BT Headset support)
Wireless LAN	IEEE 802.11 a/b/g/n/ac
GPS	A-GPS (Ublox-7 Series)
Notification	Vibration and Charging LED, noise when certain icon is tapped on screen
Barcode Scanner	1D Laser Scanner (Zebra SE965) 2D Imager (Zebra SE4750)
Camera	13MP Auto Focus with LED Flash
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support (NXP PN547) 2 SAM Slots
Sensor	Acceleration Sensor, Magnetic Field Sensor, Proximity and Ambient Light Sensor
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)

Application



RP1500

Rugged Android Smartphone



Key Features

- Android 6.0 Marshmallow
- Powerful & Speedy 1.8GHz Octa-core CPU
- RAM 3GB / ROM 16GB
- 4G LTE
- User-friendly numeric Keypad
- Rugged construction (Rubber protection & Magnesium frame inside)
- Sunlight readable display
- Superior GPS accuracy & performance[built-in Ceramic Antenna]
- 1D & 2D professional scanner
- Extra-long battery autonomy (4000mAh)
- 200mAh built-in backup battery
- Both Resistive & Capacitive touch available

	Description
CPU	1.8GHz Octa-core processor[Samsung Exynos 5430]
OS	Android 6.0 Marshmallow
Memory	RAM 3GB, ROM 16GB
Communication Interface	Host : USB 2.0 High Speed Client : USB 2.0 High Speed External Serial RS232C
Touch Panel	Capacitive Touch (Gorilla Glass 3) / Resistive Touch
Drop / Sealing	1.5m drop to concrete / IP64
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Dimensions	139mm(H) x 73mm(W) x 21mm(D)
Weight	250g with standard battery (2,860mAh) 300g with extended battery (4,000mAh)
Display	3.5 inch VGA (480x640)
Input	Alphanumeric Keys, Function Keys
Standard battery	2,860mAh Li-ion Contact Smart Card Reader(optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available

	Description
Expansion Slot	Micro SD card(up to 32GB)
Audio	Speaker / Receiver / MIC
Wireless (WWAN)	Gemalto PLS8-E : LTE, HSPA+, EDGE, GPRS LTE : 800, 900, 1800, 2600Mhz HSPA+ : 900, 1800, 2100Mhz GSM/GPRS/EDGE : 900, 1800Mhz
Bluetooth	Bluetooth 4.0+HS (BT Headset support)
Wireless LAN	IEEE 802.11 a/b/g/n/ac
GPS	A-GPS [UBLOX 7-series]
Notification	Vibration and Charging LED
Camera	13MP Auto Focus with LED Flash
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support (NXP PN547) 2 SAM Slots
Sensor	Acceleration Sensor, Magnetic Field Sensor
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)



Law Enforcement



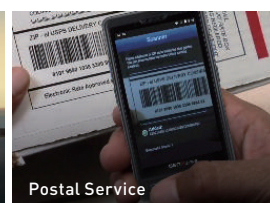
Meter Reading



Warehouse Management



Transportation



Postal Service

Rugged Handheld Computers

RP Series

Rugged Windows Mobile Smartphone



RP1300



RP1200



RP1100



RP1300

	Description
CPU	Samsung S5PV210 1GHz
OS	Windows® Embedded Handheld 6.5.3 Android 4.1.2 Jellybean
Memory	RAM 256MB (512MB Optional / Android 512MB default) ROM 1GB
Wireless WAN	Gemalto PH8-P HSPA+ Frequency band 3G : 800, 850, 900, 1900, 2100MHz 2G : 850, 900, 1800, 1900MHz
Wireless LAN	IEEE 802.11 b/g/n
Bluetooth	Class1, V2.1 EDR (BT Headset support)
GPS	Embedded A-GPS (Stand alone)
Camera	5.0MP Auto Focus
Barcode Scanner	1D Laser Scanner 2D Imager
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support 2 SAM Slots
Dimensions	139mm(H) x 73mm(W) x 21mm(D)
Weight	250g with standard battery (2860mAh) 300g with extended battery (4000mAh)
Display	4.3 inch WVGA (Sunlight readable) / 480 x 800 Both Resistive & Capacitive touch available
Sensor	Acceleration Sensor, Magnetic Field Sensor
Keypad	5 shortcut Keys
Standard battery	2,860mAh Li-ion Contact Smart Card Reader(optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available
Expansion Slot	Micro SD Card (Up to 32GB)
Notification	Vibration and Charging LED
Audio	Speaker / Receiver / MIC
Communication Interface	Host : USB 2.0 Full Speed Client : USB 2.0 High Speed External Serial RS232C
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Drop	1.5m drop to concrete
Humidity	IP64
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)



RP1200

	Description
CPU	Samsung S5PV210 1GHz
OS	Windows®Embedded Handheld 6.5.3 Android 4.1.2 Jellybean
Memory	RAM 256MB (512MB Optional / Android 512MB default) ROM 1GB
Wireless WAN	Gemalto PH8-P HSPA+ Frequency band 3G : 800, 850, 900, 1900, 2100MHz 2G : 850, 900, 1800, 1900MHz
Wireless LAN	IEEE 802.11 b/g/n
Bluetooth	Class1, v2.1 EDR (BT Headset support)
GPS	Embedded A-GPS (Stand alone)
Camera	5.0MP Auto Focus
Barcode Scanner	1D Laser Scanner 2D Imager
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support 2 SAM Slots
Dimensions	139mm(H) x 73mm(W) x 21mm(D)
Weight	250g with standard battery (2860mAh) 300g with extended battery (4000mAh)
Display	3.5 inch VGA (480x640)
Sensor	Acceleration Sensor, Magnetic Field Sensor
Keypad	Alphanumeric Key / Function Key
Standard battery	2,860mAh Li-ion Contact Smart Card Reader(optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available
Expansion Slot	Micro SD Card (Up to 32GB)
Notification	Vibration and Charging LED
Audio	Speaker / Receiver / MIC
Communication Interface	Host : USB 2.0 Full Speed Client : USB 2.0 High Speed External Serial RS232C
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Drop	1.5m drop to concrete
Humidity	IP64
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)

RP1100

	Description
CPU	Samsung S5PV210 1GHz
OS	Windows®Embedded Handheld 6.5.3 Android 4.1.2 Jellybean
Memory	RAM 256MB (512MB Optional / Android 512MB default) ROM 1GB
Wireless WAN	Gemalto PH8-P HSPA+ Frequency band 3G : 800, 850, 900, 1900, 2100MHz 2G : 850, 900, 1800, 1900MHz
Wireless LAN	IEEE 802.11 b/g/n
Bluetooth	Class1, V2.1 EDR (BT Headset support)
GPS	Embedded A-GPS (Stand alone)
Camera	5.0MP Auto Focus
Barcode Scanner	1D Laser Scanner 2D Imager
NFC	HF 13.56MHz, ISO14443A/B, Mifare, ISO15693 card support 2 SAM Slots
Dimensions	139mm(H) x 73mm(W) x 21mm(D)
Weight	250g with standard battery (2860mAh) 300g with extended battery (4000mAh)
Display	3.5 inch VGA (480x640)
Sensor	Acceleration Sensor, Magnetic Field Sensor
Keypad	Navigation Key, Function Key
Standard battery	2,860mAh Li-ion Contact Smart Card Reader(optional)
Extended battery	4,000mAh Li-ion
Built-in Backup Battery	200mAh Li-Polymer Hot-Swap available
Expansion Slot	Micro SD Card (Up to 32GB)
Notification	Vibration and Charging LED
Audio	Speaker / Receiver / MIC
Communication Interface	Host : USB 2.0 Full Speed Client : USB 2.0 High Speed External Serial RS232C
Operating Temp.	-20°C ~ 60°C
Storage Temp.	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Drop	1.5m drop to concrete
Humidity	IP64
Standard Accessories	All in the gift box (Desktop cradle, PSU, USB cable, Stylus, Screen protector)

Handheld RFID Reader

RPT100

Bluetooth Companion RFID and Barcode Reader



Key Features

- Light Weight of 220grams
- Slim and graspable Design
- Advanced RFID engine, Impinj R-2000,
- IP68 Sealing and 1.8mm multiple drops to concrete
- Compatibility with various host OS
- Full shift operation of 10~12 hours

	Description
OS Support	OS Support of above Android 4.4, iOS7 and higher, Windows 10,8,7, Vista, XP, Mobile, CE, MAC
Reader Chip	Impinj R-2000
Communication Protocols	EPC Global Gen2 / ISO 18000-6C
Memory	RAM 64KB, ROM 512KB Data Storage: Maximum total of 1000 RFID tags or Barcodes (60bytes each)
Compatible Host Devices (USB)	Virtual COM(USB to Serial)-Windows, Linux, Mac, Android
Dimensions	64mm x 220mm x 27mm (WxLxH)
Weight	220g
User Input(Buttons)	Power, Control, Reset, RFID Scan, Barcode Scan (Total 5 buttons)
Display	1.3" Blue OLED
Battery	Rechargeable Lithium-ion 3,300mAh Continuous reading at max read power (1W) and 50% duty level : 3hours Standby mode: 40 hours Charging hours: 4 hours Full shift operation, 10~12 hours
Drop Specification	Multiple drops to concrete: 1.8m / 5.9 ft.
Environmental Sealing	IP68

	Scanner Performance
Nominal Read Range	up to 9 m / up to 30 ft.
Bluetooth Class	Class 2

	RFID Performance
Nominal Read Range	up to 9 m / up to 30 ft.
Antenna	Circular Antenna with circularly polarized electromagnetic wave
Frequency Range	CE 865MHz ~ 868MHz FCC 902MHz~928MHz
Output Power	Max. 30dBm (1W)
Bluetooth	Bluetooth v4.1 BLE, SPP/HID Profile
Bluetooth Frequency	2402 MHz ~ 2480 MHz
Bluetooth Class	Class 2

Accessories



Application



Handheld RFID Reader

RPT50

Bluetooth Companion RFID Reader

Key Features

- Light Weight of 170 grams
- Compatibility with various host OS such as Android 2.1 and above, iOS, Windows Mobile and Windows PC



	Description
OS Support	- Bluetooth Connection RPT50 : Android 2.1 and above, Windows 10, 8.1, 8, 7, Vista, XP, Windows Embedded Types (CE 5.0, Windows Mobile 6.5 etc). - RPT50i : iOS 7 and above, OS X and above -USB Connection : RPT50 and RPT50i : Windows 10, 8.1, 8, 7, Vista, XP, OS X and above
Communication Protocol	EPC Global Gen2/ISO 18000-6C
Interface	USB 1.1 Compatible / UART (Optional : Requires gender)
Dimensions	148 mm x 51 mm x 30 mm (H x W x D) 5.8 inch x 2 inch x 1.2 inch (H x W x D)
Weight	170 gram
User Input (Buttons)	Power key, Scan Key
Battery	2,350mAh Li-polymer Rechargeable Battery
Operating Temperature	-20°C to 50°C (4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Bluetooth	RPT-50 : Bluetooth V1.2 RPT-50i : Bluetooth 4.0 BLE
Antenna gain	1dBi
Frequency Range	CE 865-868MHz, FCC 902-928MHz
Channel Occupation Method	Frequency Hopping, LBT

Accessories



Application



COLLECTION OF GEN2WAVE'S DEVICE MANAGEMENT SOLUTIONS

G2W Autose tup

Powerful tool to automatically install applications and configure identical device setting to multiple devices in an efficient way

Make your own setting with G2W Auto-setup and apply it by easy and convenient way

PC-based editing program is provided Simple QR code scanning to install Device setting & Customer application to multiple devices

- I. Scan QR code
- II. Automatic connection to FTP server
- III. Automatic download for Auto Setup & APK
- IV. Automatic installation



User can access designated applications only in Kioskmode

G2W Kioskmode

Gives administrators complete control of the device. Allows you to set Android in isolated mode locked away from running programs and applications. Offers modern mobile device management (MDM), and application management (MAM) for corporate-owned Gen2Wave devices

G2W Test App

Self-Test Tool (G2W Test App) enables you to test necessary functions of hardware settings. You can test basic hardware functions whenever you want with easy step by step process. WLAN, barcode reader, and NFC can be tested

When devices are malfunctioning, users can easily diagnose their devices by themselves using the self-test program



ACCESSORIES



SDTC-RP1000-UX
Desktop cradle with
USB Type A&B



SDTC-RP1000-UE
Desktop cradle with
USB Type A&B, and Ethernet



4DTC-RP1000-CX
4-slot cradle charging only
(Power supply included)



4DTC-RP1000-CE
4-slot cradle Ethernet & Charging
(Power supply included)



BTY-RP1000-NXE
Battery 4000 mAh Li-ION
with NFC Antenna



SDTC-RP1000-NUM
Battery 2860 mAh Li-ION with
Smart card reader(USB Type)



VC-RP1000-CX
Vehicle Cradle Charging only
with suction fixation kit



VC-RP1000-CS
Vehicle Cradle Charging &
RS232 connection
with suction fixation kit



CLJC-02
Direct auto charger Kit
(from cigarette lighter to RP series)



MTG-RP1000-UX
Multi- gender for Auto-charge,
Direct cable charge, USB Host & Client,
Ear-phone connector



MTG-RP1000-UE
Multi- gender for Ethernet,
Auto-charge, Direct cable charge,
USB Client, Ear-phone connector



SH-RP1000
Scanning Handle for RP series
(Pistol Grip)



CAT-RP1000-CEM
Adaptor cable for Standard
Ear-Mic Headset



CAT-RP1000-CQD
Quick Disconnect Adaptor
Cable for Headset



CAT-RP1000-CSM
Adaptor Cable for
Serial Connection



CAT-RP1000-CUH
Adaptor Cable
for USB Host



LPC-RP1000-01
Leather protection case
with hand and shoulder strap
for RP1100



LPC-RP1200-01
Leather protection case with
hand and shoulder strap
for RP1200 & RP1500



LPC-RP1300-01
Leather protection case
with hand and shoulder strap
for RP1300 & RP1600



HOS-RP1000-01
Holster with belt clip



STP-RP1000-R
Stylus



COS-01
Coiled String



SPT-RP1300-02
Screen Protector