

# RG760 UHF RFID reader/writer ACCESSORY for the PA760



## RG760 UHF RFID Solution

Empowering the Unitech PA760 mobile computer

The Unitech RG760 gun grip is specially designed for the Unitech PA760 Android 9 (AER) mobile enterprise computer. The RG760 is part of the unique PA760 gun grip accessory line, each featuring a unique capability. Besides the standard gun grip (barcode reading by trigger function) and 2D Long range reader gun grip accessory, the RG760 empowers the PA760 with UHF RFID reading/writing capabilities and 1D/2D barcode trigger-reading function.

All PA760 gun grip accessories feature an easy-to-operate sled design. Attach the PA760 to the RG760 and it's ready for both barcode and UHF RFID reading solutions.

- Reads up to 750 tags/second (adjustable)
- Reads up to 6 meters (adjustable)
- Modifiable output power for different reading distance requirements
- Provides multiple RFID reading modes for different applications
- Thermal sink designed for hours of continuous usage
- Light weight design (193g without PA760)
- Simultaneous reads tag & confirms tags information
- The API allows the gun-grip trigger to control the RFID reader or the 2D barcode scanner in the PA760
- The trigger on the RG760 handle can wake up the PA760, this convenience will improve the user experience
- The RG760 is compatible with all desktop cradles (except vehicle cradle)

## Process Improvement

Extend the PA760 for multiple applications

The RG760 is the ideal solution to extend your PA760 for warehousing, retail and manufacturing applications. Perform more efficient cycle-counting and inventory management with the PA760 and RG760.



**RG7600**

UHF/RFID reader and writer gun grip



**PA760**

Unitech Android 9.0 (with GMS)  
Enterprise recommended  
mobile computer.



**RG760 with PA760**

A google Android Enterprise  
Recommended (AER)  
UHF/RFID solution.

#### Physical Characteristics

Dimension	147.1 (L) * 74.5 (W) * 158.1 (H) mm
Weight	218g (without terminal) 503g (with PA760 terminal)
Electronic Type	Connected with PA760 via pogo pin
Power Input	From PA760
User Input	Trigger

#### RFID Performance

Standards Supported	<b>EPC Class1 Gen2 V2</b>
RFID Engine	M6e-Micro ( <b>RAIN RFID supported</b> )
RFID Chip	Impinj R2000
Read Rate	750 tags/sec (adjustable)
Read Distance	Circular antenna Reading up to 6 meters (adjustable)
Frequency Range	TW: 922-928 MHz US: 902-928 MHz EU: 865-868 MHz Japan: 916-921 MHz

#### Communication

Host Connection	Electrical 10-pin connection
Host Computer	Unitech PA760 mobile computer

#### Trigger button

After the Unitech PA760 is connected with the RG760, functions as RFID and barcode reading can be applied via the RG760 gun trigger.

#### Pre-configured modes

Long range	Read as far as many tags possible
Cycle count	Read as many unique tags as possible
Rapid read	Read as many tags as quick as possible

#### Software:

Demo, SDK and Utility source code for developers available.

#### User Environment

Drop Specification	1.2m (with terminal)
Operating Temp.	-20 ~ 50°C
Storage Temp.	-30 ~ 60°C
Humidity	5% ~ 95%
Electrostatic Discharge	+/- 8kV air discharge +/- 4kV contact discharge
Sealing	IP67 (without terminal) IP52 (with terminal)

#### NOTE:

- \* Please make sure PA760 OS version requires MR2 or higher.
- \* Demo APP: Please download RFID Reader App on PA760.

#### More Unitech RFID information

Unitech Europe has launched a brand new website dedicated towards RFID solutions. We also launched a new programme called "Let's Talk RFID" - designed to discuss RFID solutions with resellers, end-users and manufacturers. Visit: <https://www.unitech-rfid.eu>



#### Available versions:

RG760 UHF gun grip EU ANT for PA760 with bumper  
RG760 UHF gun grip EU ANT for PA760 without bumper  
RG760 UHF gun grip US ANT for PA760 with bumper  
RG760 UHF gun grip US ANT for PA760 without bumper

#### Inside the box

RG760 (UHF/RFID) gun grip  
Hand-strap  
ANL-9650 RFID tags

#### Warranty

1 year  
Optional extended warranty (SKU: Unitcare-PA760-ELRFID)



#### PA760 terminal (omni-channel)

OS	Android 9.0 with GMS Certification and AER Android Enterprise Recommended Certified
Memory	4GB RAM / 64GB ROM
CPU	64-bit Qualcomm 660
Display	2.2 Ghz Octa-Core
Battery	5.45" color WVGA
Protection	4000mAh or 6000mAh battery Slim or rugged version
Communication	Dual Nano-SIM, 4G/LTE, Bluetooth® 5, MIMO (2x2) fast roaming Wi-Fi
Barcode reading	1D, 2D (DOT code, Digimarc, DPM), Postal and ORC.
RFID reading	HF/NFC reader/writer
Dimensions	163 mm x 75 mm x 17.4 mm

#### Unitech Europe

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