

# 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
Memory	Recommended Certified 4GB RAM / 64GB ROM
CPU	64-bit Qualcomm 660 2.2 Ghz Octa-Core
Display	5.45" color WVGA
Battery	4000mAh or 6000mAh battery
Protection	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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