

RP70A BIO

All-in-one Biometric Handheld Tablet





RP70A BIO is the purpose-built device for mobile authentication and registration of individual identity. It uses integrated professional MRZ scanner, smartcard reader (contact or contactless), a fingerprint sensor, a dual iris scanner, a facial recognition camera, 1D / 2D Barcode scanner and MSR. For law enforcement, border control, civil enrolment and elections, the RP70A BIO is highly recommended. It enables improved security by including three types of biometrics in one mobile terminal: fingerprint, iris and facial recognition.

RP70A BIO uses the latest Android platform with advanced security features as well as reliable and high speed connectivity options as 4G LTE. RP70A BIO greatly streamlines and facilitates any challenging tasks of ID authentication and registration.

All-in-one Biometric Handheld Tablet



Advantages

Powerful Android Platform

RP70A BIO has the latest and powerful Android platform with

- 1.8GHZ Hexa Core CPU
- Android 8.1 Oreo
- 4GB RAM, 32GB ROM (64GB / 128GB optional)

Which enables speedy and seamless processing of robust applications.



Advantages

Reliable High Speed Multimode Connectivity

Speedy and secure data communication to ensure successful field operation. RP70A BIO offers latest and advanced technology of connectivity options :

WWAN Frequency band EU (USA Optional)
4G LTE : 800, 900, 1800, 2100, 2600Mhz
3G HSPA+ : 900, 2100Mhz
2G GSM/GPRS : 900, 1800Mhz

WLAN IEEE 802.11 a/b/g/n/ac

Bluetooth V4.2 BLE

AGPS A-GPS, GLONASS (Optional)



Advantages

OCR/MRZ



Advantages

NFC Reader



Advantages

Smart Card Reader



Uses GemCore Pos pro chip
ISO 7816 certification

Advantages

Fingerprint Reader



Dual Iris Scanner

GEN2WAVE

Advantages

Professional Barcode Scanner

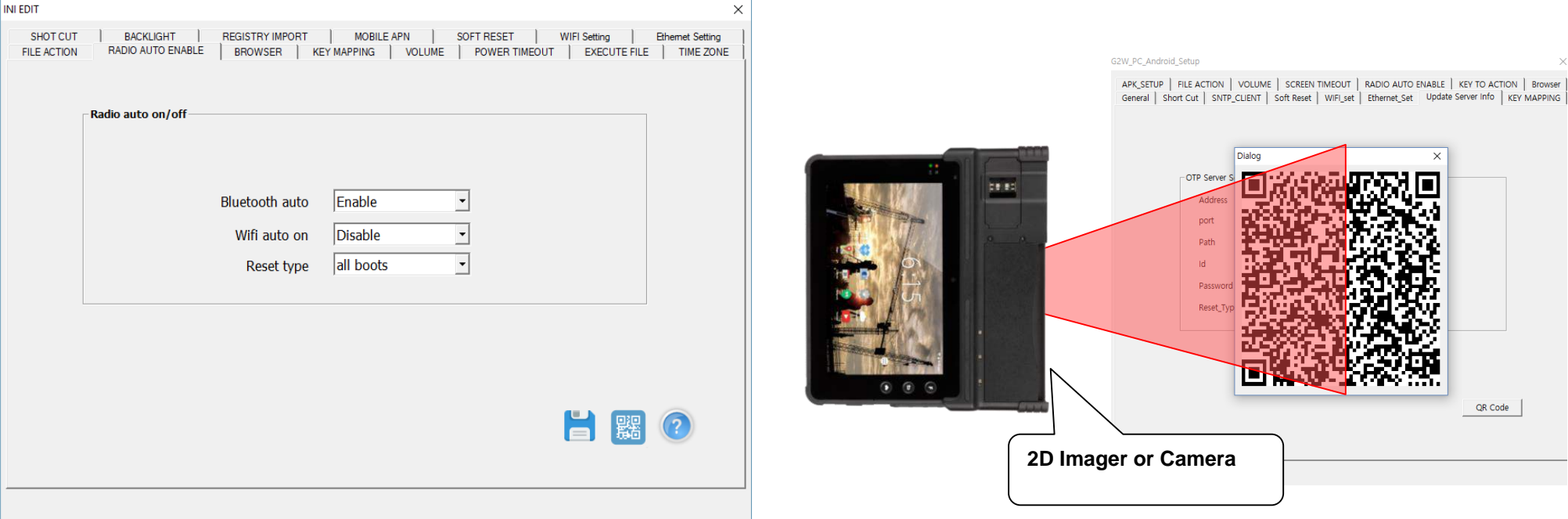


**Ultra High Density
Barcode Readable**

Advantages

Autosetup

Autosetup has easy UI to pre-stage RP70A BIO's settings such as ethernet setting, mobile APN, hardware keys, key mapping, etc. You can install several RP70A BIOs at once with Autosetup.



INI EDIT

SHOT CUT | BACKLIGHT | REGISTRY IMPORT | MOBILE APN | SOFT RESET | WIFI Setting | Ethernet Setting
FILE ACTION | RADIO AUTO ENABLE | BROWSER | KEY MAPPING | VOLUME | POWER TIMEOUT | EXECUTE FILE | TIME ZONE

Radio auto on/off

Bluetooth auto: Enable

Wifi auto on: Disable

Reset type: all boots

G2W_PC_Android_Setup

APK_SETUP | FILE ACTION | VOLUME | SCREEN TIMEOUT | RADIO AUTO ENABLE | KEY TO ACTION | Browser
General | Short Cut | SNTP_CLIENT | Soft Reset | WIFI_set | Ethernet_Set | Update Server Info | KEY MAPPING

Dialog

OTP Server S

Address

port

Path

Id

Password

Reset_Typ

QR Code

2D Imager or Camera

1. Scan QR code
2. Automatic connection to FTP server
3. Automatic download for Auto Setup & APK
4. Automatic installation

Advantages

G2W 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.



Technical Specification

Performance Characteristics	
CPU	1.8 GHz Hexa-core CPU
	Cortex A72 Dual-core 1.8GHz
	Cortex A53 Quad core 1.4Ghz
OS	Android 8.1 Oreo
Memory	RAM 4GB, ROM 32GB (64GB/128GB optional)
Physical Characteristics	
Dimensions	213mm(H) x 195.3mm(W) x 30.55mm / 20.95mm(D)
Weight	850g
Display	7.0Inch / WXGA (1280x800)
Touch Panel	Capacitive Touch / Gorilla Glass
Display Visibility	700 nits (cd/m ²)
Keypad [Input]	3 Front Keys, 5 Side Keys [Programmable]
Interactive Sensor Technology	Motion-sensor : 3 axis accelerometer Ambient Light Sensor
Battery	Li-Polymer 10,050mAh [embedded]
Audio	Dual Speaker / MIC
User Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Humidity	Non-condensing, 93%
Drop/Sealing	1.2m (4 ft.) drop to concrete / IP65 [RP70A]
Integrated Radios	
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	
GPS	A-GPS, GLONASS (optional)	
Connectivity		
Communication Interface	Tablet Side : USB3.0A Host, USB2.0 OTG External Serial RS232C	
SAM Slots	2 SIM/2 SAM slots	
Others		
Notification	Vibration and Charging LED	
Data Capture		
Camera	13MP Rear Camera / 2.0MP Front Camera	
Scanner	2D Imager (Zebra SE4710)	
NFC	Integrated NFC Reader (NXP PN548)	
OCR (MRZ)	Font	Remarks
		OCR B
	MRZ Lines	MRZ Lines : 1 line : IDL, CAN, etc 2 line : ID2 cards, ePP 3 line : eID
	Module	BM-Slim 2 Suprema
	Sensor Type	Optical Sensor
	Sensing Area	16.5mm(W) x 21mm(L)
Fingerprint Module	Pixel Resolution	500 dpi
	Gray Scale	256 level
	Output Image Format	RAW, BMP, WSQ, ISO 19794-4
	Format	FBI PIV certified, FBI Mobile ID FAP 20 certified

Image Quality Standards		
Dual Iris Scanner	Camera	5MP B&W CMOS sensor
	Operating Range	320±40mm (11"~14")
	Resolution	Above 160 pixel/cm
	Iris Capture Volume	130mm x 45mm x 80mm
	Illumination	IR LED
	Image	2592 x 920 x 30 Frame IR LED

2D Imager		
2D Imager (Zebra SE4710, S/W Decoder)	Sensor Resolution	1280 x 800 pixels
	Field of View	Horizontal: 42°, Vertical: 28°
	Skew, Pitch & Roll	Skew Tolerance: ±60° Pitch Tolerance: ±60° Roll Tolerance: 360°
	Focal Distance	From front of engine: 7.64 in
	Aiming LED	610nm LED
	Illumination	1 Hyper Red 660nm LED

OCR / MRZ					
Global Parameters					
Module	ELY029				
	Conditions	Min.	Typ.	Max.	Unit.
Power Supply	With USB-J2 or UART-J3	+3.3	+5	+5.25	Voltage
	Scanning	-	-	180	
Consumption on 3V	Idle	-	45		
	Scanning	-	-		
Consumption on 5V	Idle	-	50		
	Voltage [on J4]	3.2	3.3		
Output	Current	-	-		

Decode Ranges		
2D Imager (Zebra SE4710, S/W Decoder)	4 mil Code 39	3.3 in./8.4 cm (Near) 8.8 in./22.4 cm (Far)
	5 mil Code 128	2.8 in./7.1 cm (Near) 8.2 in./20.8 cm (Far)
	5 mil Code 39	2.0 in./5.08 cm (Near) 13.5 in./34.3 cm (Far)
	5 mil PDF417	3.1 in./7.9 cm (Near) 8.4 in./21.3 cm (Far)
	10 mil DataMatrix	2.9 in./7.4 cm (Near) 10.1 in./25.7 cm (Far)
	100% UPCA	1.8* in./4.6* cm (Near) 26.0 in./66.0 cm (Far)
	20 mil Code 39	2.0* in./5.08* cm (Near) 30.0 in./76.2 cm (Far)

NFC		
PN548 / C2	Compliant Standards	NFC Forum, NCI, ETSI/SCP
	Transmission Modes Specification	NFCIP-1 NFCIP-2 ISO/IEC14443 ISO/IEC15693 MIFARE FeliCa
	Output Stage Range	3.0V~4.5V
Contact Type Smartcard Reader		
GemCore Pos pro Chip	Certification	ISO 7816 certification
Fingerprint Module		
BM-Slim 2 Suprema	Technology	Multi Dynamic Range Technology Large Format Display
	IP Rate	IP65

Accessories

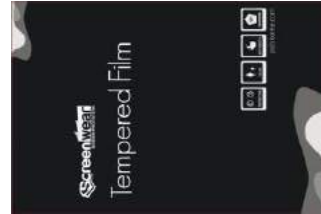
Image



AC line cord & Power supply



USB Cable Adaptor



Tempered Glass Film



Pen String



Touch Pen



Rotating Handstrap

Coming Soon

Protection Case with
Shoulder Strap

Application



Border Control & Refugee Registration



Law Enforcement & Public Services



Benefit Delivery

Delivery of Pension, Check, Credit Card and Cash



UNITED STATES OF AMERICA
PASSPORT CARD
Passport Card No. C03085388

IDENTIFICATION

NFC Info

	NAME: ANDREA MARIO GENDER: Male Birth: 610215 Passport Number: 940581108 Nationality: United States Department of State State: Iowa
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Individual identification and customer registration