

AY-B9350

Networked Face & Fingerprint Biometric Terminal
with Android Touch LCD and EM/MIFARE RFID



MIFARE
Card Reader



EM
Card Reader



100,000 Templates
Encrypted Memory



10,000
Face Templates



AY-B9350

The AY-B9350 is a high-performance Face and Fingerprint recognition reader with MIFARE® 13.56 MHz and EM 125 kHz card reader. It has an Android OS with a touch LCD. The dual IR/RGB camera has a motorized tilt for face finding, making the unit user friendly regardless of the height of the user. Advanced features include support for 100,000 fingerprint templates, 10,000 (1:1) & 2,000 (1:N) face templates, and innovative algorithms with liveness check. Connection is easy with TCP/IP, RS-485, Wiegand in/out (26-/34-Bit). The terminal can be set up easily using the AxTraxNG Client software. Alternatively, it is compatible with Rosslare's standalone RosslareBio 9000 management software that is perfect for interfacing with existing third-party systems. This product features the latest design and engineering to achieve a best-in class solution.

GENERAL DESCRIPTION

The AY-B9350 is suitable for 1:N applications with up to 100,000 Fingerprint templates (50,000 Fingers) or 1:1 Matching operation. In addition, the AY-B9350 has built-in face recognition capability, and is an RFID (MIFARE and EM) card reader. The user can choose any combination of these authentication methods. The Biometric Server application for Windows allows easy and intuitive enrollment and template distribution using AxTraxNG™ version 27.7.x.x and above or by RosslareBio 9000 server/client solution to support networks of up to 2000 readers, making it ideal for small and big installations and allowing maximum flexibility for securing a growing enterprise. Each AY-B9350 biometric/face reader unit features connectivity via TCP/IP, RS-485, and Wiegand.

MAIN FEATURES

- Multi-factor Authentication: face, card, fingerprint and pin code
- Advanced optical sensor with fingerprint liveness check algorithms prevent spoofing.
- Large capacity for 100,000 templates – 1:Many and support for 1:1 Matching Mode

- High performance CPU and memory for high speed validation (up to 1 second)
- Built-in TCP/IP, RS-485, Wiegand output connectivity
- Dual technology – MIFARE (13.56 MHz) + EM (125 kHz) RFID card reader
- Colored dual camera, for ensuring best face authentication (IR and Visible light cams)
- Non-volatile event log of up to 1,000,000 entries
- Wide thermal operating range (-20°C to 60°C)
- Built-in tamper and buzzer
- Modern design that blends into almost any architectural challenge

SOFTWARE SOLUTION

- AxTraxNG: Easy to install and operate using Rosslare AxTraxNG™ Server for Windows for managing user data and template distribution (many languages)
- RosslareBio 9000: Easy-to-install and operate server for Windows OS that enables managing user data and template distribution. Up to 16 remote client enrollment stations for enterprise applications

SPECIFICATIONS

FINGERPRINT / FACE IMAGING SYSTEM

■ Fingerprint Technology	Optical, liveness check, 500 DPI, 20 x 20 mm
■ Face Technology	2 Cameras (IR+Color), 20 IR LED Illumination: Motor Tilt

BIOMETRIC FUNCTIONS

■ Image/Template Format	ISO 19794-2, ANSI 378, FBI PIV Certified
■ Liveness Detection	Yes

FINGERPRINT/FACE TEMPLATES AND PROCESSING TIME

■ Fingerprint Capacity	100,000 (2 templates, 1 finger, 50,000 users)
■ RFID Capacity	100,000
■ Face Capacity	10,000 (1:2000)
■ Authentication Speed	Up to 1 second

ENVIRONMENTAL RANGE

■ Temperature Range	-20°C to 60°C
■ Humidity	Up to 90% RH

COMMUNICATION AND PERFORMANCE

■ Card Reader	MIFARE (13.56 MHz) RFID and EM (125 kHz) – Dual Technology
■ CPU	Cortex-A9 Quad Core, 1GHz
■ Memory	4G + 8G bytes flash, 2GB RAM
■ External SD Card Support	Data backup / FW upgrade
■ Communication	Wiegand (26-/34-Bit), RS-485, TCP/IP (10/100 Mbps)
■ Authentication Method	Fingerprint, RF Card, Face, pin code (or combination)
■ Logs	1,000,000 event logs, 20,000 image logs

LCD & OPERATING SYSTEM

■ Operating System	Touch Menu System based on Android OS
■ LCD	5" Touch LCD (480*800) with Android interface

LOCK AND I/O

■ Lock	Deadbolt, EM Lock, Door Strike, Automatic Door
■ I/O	4 IN (1 exit, 3 monitor) 2 OUT (also for lock control)

PHYSICAL SPECIFICATIONS

■ Dimensions	149.5 (W) x 208.5 (H) x 46 (D) mm
■ Weight	1,100 g (2.42 lbs)

POWER SUPPLY REQUIREMENTS

■ Power	+12 VDC
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STANDARD COMPLAISANCE

■ Device Certifications	CE, FCC
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ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe.

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