



# M2 LR & M2F PRO LR

Linux-Based Secure Time Attendance with Simple Access Control Function



Cloud RMA



Facial Authentication



Fingerprint



RFID

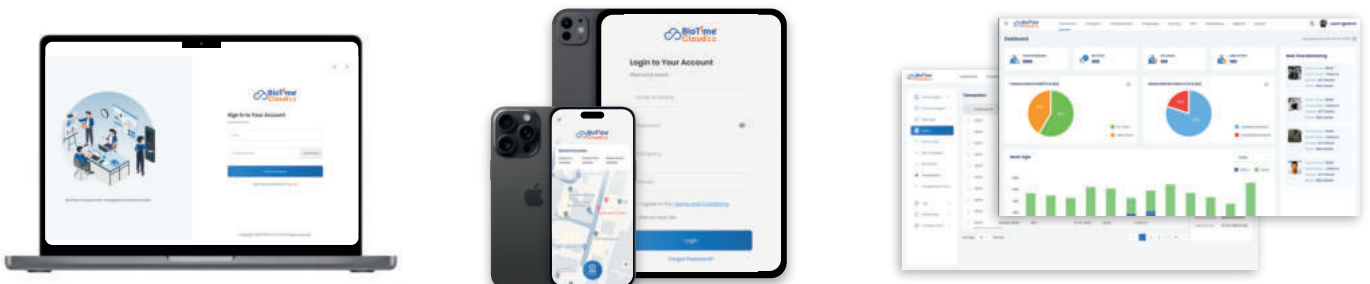
**M2 LR** and **M2F PRO-LR** are time attendance terminals which adopt the latest authentication algorithm. They both support fingerprint authentication, and M2F PRO-LR also supports facial authentication, adopts ultimate antispoofing algorithm for facial authentication, offering secure biometric authentication.

Moreover, the M2 LR and M2F PRO-LR are equipped with TCP/IP and optional WiFi for PC communication. Whether you operate in a wired or wireless network environment, the M2 LR and M2F PRO-LR provide stable and fast data transmission.

M2 LR and M2F PRO-LR support online firmware upgrades, allowing users to detect new firmware from device menu and upgrade by themselves, greatly enhancing convenience.

## Features

- Visible Light Facial Authentication Technology (for M2F PRO-LR) and ZK Optical Fingerprint Verification
- Multiple Authentication Methods: Facial (for M2F PRO-LR) / Fingerprint/ RFID/ Password
- Available RFID Modules: 125 kHz ID Card / 13.56 MHz IC Card
- Optional Backup Battery
- Support Online Firmware Upgrade

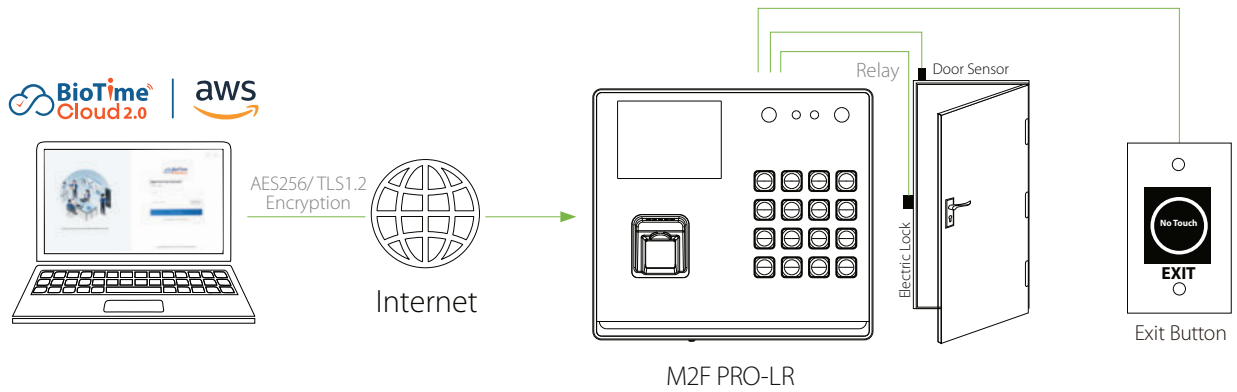


# Specifications

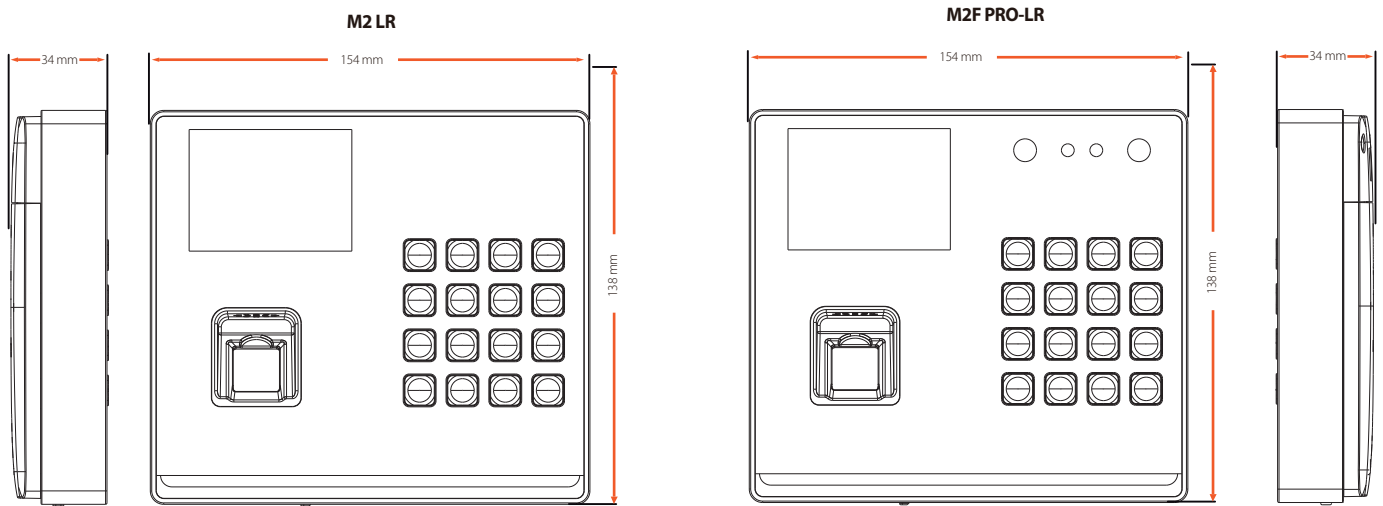
Model	M2 LR	M2F PRO-LR
Display	2.8" @ TFT Color LCD Screen (320*240)	
Camera	/	Binocular Camera @ 1MP
Operation System	Linux	
Hardware	<ul style="list-style-type: none"> <li>• CPU: Dual Core@1GHz</li> <li>• RAM: 512MB; ROM: 8GB</li> <li>• Speaker: 8ohm @1W</li> <li>• Physical Keypad: 17 Keys</li> <li>• Fingerprint Sensor: ZK Optical Sensor</li> </ul>	<ul style="list-style-type: none"> <li>• CPU: Dual Core@1GHz, RAM: 512MB; ROM: 8GB</li> <li>• Speaker: 8ohm @1W</li> <li>• Supplement Light: Yes</li> <li>• Physical Keypad: 17 Keys</li> <li>• Fingerprint Sensor: ZK Optical Sensor</li> </ul>
Authentication method	Fingerprint / Card / Password (Physical Keypad)	Fingerprint / Face / Card / Password (Physical Keypad)
Fingerprint Template Capacity	3,000 (1:N) (Standard)	1,000 (1:N) (Standard)
Face Template Capacity	/	500 (1:N) (Standard)
Palm Template Capacity	/	
Card Capacity	3,000 (1:N) (Standard)	1,000 (1:N) (Standard)
User Capacity	3,000 (1:N) (Standard)	1,000 (1:N) (Standard)
Transaction Capacity	150,000 (1:N)	150,000 (1:N)
Max. User Password Length	8 Digits	
Biometric Verification Speed	Less than 1 sec (Fingerprint)	Less than 1 sec (Fingerprint) Less than 1.7 sec (Facial Authentication)
Touchless Biometric Recognition Distance	/	50cm to 200cm (Facial Authentication)
Touchless Biometric Operating Lighting Environment	/	
False Acceptance Rate (FAR) %	FAR ≤ 0.02% (Fingerprint)	FAR ≤ 0.02% (Visible Light Facial Authentication) FAR ≤ 0.0001% (Fingerprint)
False Rejection Rate (FRR) %	FRR ≤ 0.01% (Fingerprint)	FRR ≤ 0.05% (Visible Light Facial Authentication) FRR ≤ 0.01% (Fingerprint)
Biometric Algorithm	ZKFingerprint V13.0 (Standard) / V10.0 (Optional)	ZKFace V4.0 ZKFingerprint V13.0 (Standard) / V10.0 (Optional)
Card Type	ID Card@125 kHz (Standard) IC Card@13.56 MHz (Optional)	
QR Code	/	
Communication	<ul style="list-style-type: none"> <li>• TCP/IP*1</li> <li>• Wi-Fi (IEEE802.11b/g/n/ax) @ 2.4 GHz (Optional)</li> </ul>	<ul style="list-style-type: none"> <li>• USB: Type A (USB Drive Only)*1</li> <li>• Electric Lock*1, Door Sensor*1, Exit Button*1</li> </ul>
Mobile Communication	/	
Standard Functions	ADMS; DST; Photo Capture; Event Photo Capture; Up to 14-digit User ID; Record Query; Schedule Bell; Tamper Switch Alarm; Automatic Status Switch; HTTPS / SSH Backend Access; T9 Keyboard (Input)	
Optional Functions	IC Card; Wi-Fi; Backup Battery	
Access Control Interface	/	
Power Supply	DC 12V 1.5A	
Backup Battery	2,000 mAh (Lithium Battery) Max. Operating Hours : 2 Hours Max. Standby Hours: 3 Hours Charging Time: 4 Hours	
Operating Temperature	-5°C to 45°C	
Operating Humidity	10% to 90% RH (Non-condensing)	
Dimensions	154 mm*138 mm*34 mm (L*W*H)	
Gross Weight	0.99 kg	1.03 kg
Net Weight	0.43 kg	0.432 kg
Supported Software	BioTime Cloud	
Installation	Wall-mount (Compatible with Asian Gang Box / Single Gang Box)	
Housing Material	/	
Ingress Protection Rating	/	
Certifications	ISO14001, ISO9001, CE, FCC, RoHS	

\*Please refer to the actual product for specific details.

# Configuration



# Dimensions (mm)



# Compatible with:

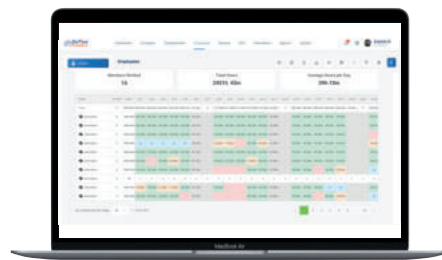
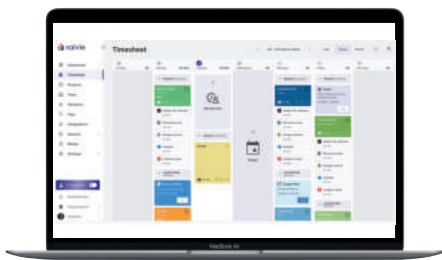


<https://ralvie.ai/>



<https://biotime.mx/>

Unlock hidden productivity potential and achieve your goals faster with our intelligent time tracking software



# About Ralvie

AI-driven time tracking software designed for the modern workplace. It accurately tracks every billable moment across various platforms, including tabs, applications, and projects, and integrates with other tools for cohesive time management.

## Functionalities



### Productivity Scale

Unlock your team's full potential with our productivity scale feature in our time tracking software. Gain valuable insights into how your team's time is being spent, identify inefficiencies, and improve productivity effortlessly.



### Manage Team

Effortlessly manage your team's time and productivity with our comprehensive time tracking software. Our platform allows you to easily assign tasks, monitor progress, and track hours worked all from one centralised dashboard.

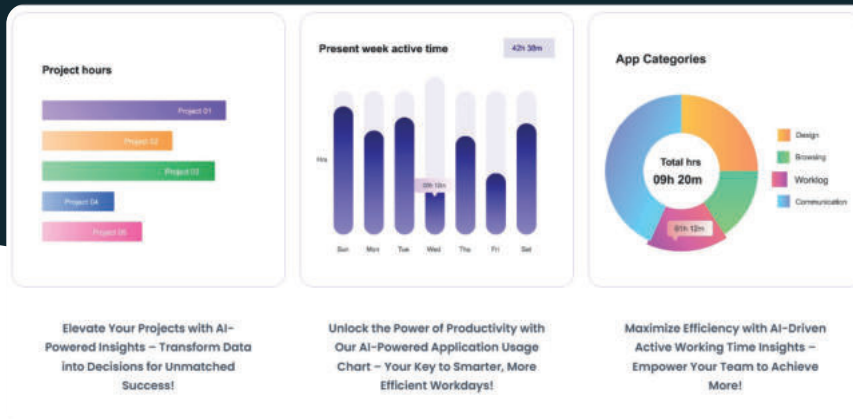


### Manage Billable Hours

Take control of billable hours and increase your team's efficiency with our time tracking software. Easily track and manage billable hours for accurate client billing and project costing.

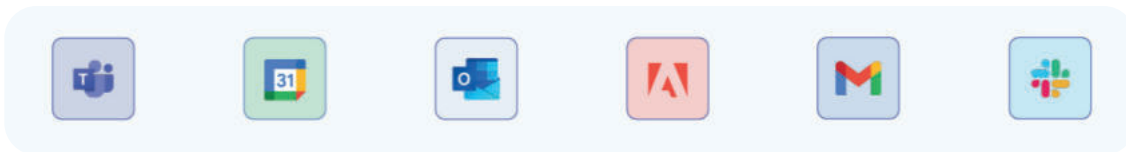
## Productivity Analysis

Charts provide a clear way to set productivity goals and track progress towards those goals over time



## Integration

Simplify your workflow and boost productivity with our time tracking software's seamless integration feature. Our platform offers easy integration with popular tools like Trello, Asana, QuickBooks, and more, allowing you to centralize your data and access everything you need from one place has context menu.



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