

Biometric time clock

LTIMA7P

Fingerprint, face, palm and card — on one terminal that can operate away from a wall socket.



Example configuration shown; modules are fitted to order.

The **LTIMA7P** is the terminal we install where a clock has to work everywhere: a 7-inch touch screen, a 7,600 mAh battery, 4G LTE and an IP66 housing. It registers a punch by fingerprint, by face, by palm or by card, and sends it straight into GEM Time — no exports, no files to import, no second set of hours to reconcile.

7"

capacitive touch
1024 × 600

IP66

water and dust
-10 °C to 55 °C

7,600 mAh

battery
5-hour fast charge

4G LTE

plus dual-band Wi-Fi
and gigabit Ethernet

What the LTIMA7P does

Every punch the terminal takes is applied to your own rules inside GEM Time — rounding, grace periods, breaks, overtime and night allowances — so the hours your supervisors approve are the hours payroll pays. The clock is the front door; the rules live in the system.

Four ways to clock

Fingerprint, visible-light and infrared face, palm, and 125 kHz / 13.56 MHz cards including NFC. Infrared facial recognition identifies a person in under one second.

Works away from a socket

7.4 V / 7,600 mAh battery with 5-hour fast charge, plus 4G LTE and dual-band Wi-Fi. Take it to the site, the gate or the event.

Built for outside

IP66 against water and dust, and rated from -10 °C to 55 °C — a construction yard, a loading bay or a quay, not only a reception desk.

Clocking

- **Fingerprint** — touch-based optical reader, up to 20,000 templates.
- **Face** — 20,000 visible-light or 6,000 infrared templates. Infrared identifies a person in under one second and keeps working in the dark and in direct sun.
- **Palm** — 5,000 visible-light templates, contactless.
- **Card** — 10,000 cards. Multi-frequency reader for 125 kHz, 134.2 kHz and 13.56 MHz, including NFC and EM4100 proximity cards.
- **Keypad** — on-screen keypad with speaker and microphone for a PIN, a job code or a spoken prompt.
- **One million transactions** — stores up to one million transactions locally and synchronises them when connectivity returns.

Getting the hours to GEM Time

- Punches arrive in GEM Time directly over the network — gigabit Ethernet, dual-band Wi-Fi or 4G LTE.
- Employees, departments and pay rules are pushed from GEM Time to the terminal, so a new hire can clock the day they start without anyone walking to the clock.
- Templates are held encrypted and move only over HTTPS. Enrolment can be done at the terminal or pushed from the system.
- Approved hours leave GEM Time for your payroll package through the open API, or as a file in the format your provider accepts.

At the door as well as the timesheet

- Two relays for a door lock, a bell or an alarm, and two auxiliary inputs.
- Two Wiegand inputs and two programmable LED indicators for an existing access-control installation.
- Access per clock: an employee is tied to the terminals they are allowed to use.

Where it fits. The LTIMA7P is the mobile, outdoor and multi-modal terminal in the GEM Time range. Where a clock stays indoors on one wall and only ever needs a finger or a card, the LTIMA5 is the cheaper and entirely adequate choice. Both report into the same system — you can mix them across locations.

Technical specifications

Model & platform

Model	LTIMA7P — biometric time clock
Display	7-inch TFT LCD, capacitive touch, 1024 × 600, 16:9.6
Processor	8-core
Operating system	Android
Memory	2 GB RAM · 16 GB ROM · micro SD card slot
Audio	Speaker and microphone · on-screen soft keypad

Capacity

Fingerprint	20,000 templates
Face	20,000 visible light · 6,000 near-infrared
Palm	5,000 visible light
Card	10,000
Transactions	1,000,000
Recognition speed	Under one second (infrared face)

Card & reader technology

Frequencies	125 kHz · 134.2 kHz · 13.56 MHz, including NFC
Card types	EM4100 series proximity cards · passive proximity / RFID responder

Communication

Ethernet	10 / 100 / 1000 Mbps
Wi-Fi	Certified dual band 2.4 GHz / 5 GHz · 802.11 a/b/g/n/ac
Mobile	4G LTE, PTCRB certified
Other	USB 2.0 · Wiegand

Access control interface

Relays	2 — alarm, bell, external lock
Auxiliary inputs	2
Wiegand inputs	2
Indicators	2 programmable LED indicators · 1 LED module

Power, housing & support

Power

AC adaptor	12 V · 1.5 A
Power over Ethernet	PoE+ IEEE 802.3at · power class 0–4 · max. current 720 mA · PSE voltage 50–57 VDC · max. power 30 W (PSE and PD) · PD input voltage 48 V
Battery	7.4 V · 7,600 mAh · charge voltage 8.4 V · normal charge 8 hours · fast charge 5 hours

Environment & housing

Protection rating	IP66 — water and dust resistant
Operating temperature	–10 °C to 55 °C (14 °F to 131 °F)
Operating humidity	5% to 80%, non-condensing
Width	23.4 cm (9.21 in) base · 24.7 cm (9.72 in) fully configured
Height	13.4 cm (5.28 in)
Depth	6.05 cm (2.38 in)

Modules

Fitted to order	Face module · palm module · optical fingerprint reader · multi-card reader. The terminal is configured for the combination you need — you do not pay for readers you will not use.
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Delivered and supported by GEM IT Solutions

- **Installed on site** — mounting, network, enrolment, and monitoring and support during the first week of operation, in Curaçao.
- **Extended Service Agreement** — repair or replacement under the terms of the Extended Service Agreement, firmware updates, remote diagnosis and a loaner clock while yours is in for repair.
- **Local support after go-live** — remotely and on site, in your own time zone, in English, Dutch, Spanish or Papiamentu.
- **One system across locations** — mix LTIMA7P and LTIMA5 terminals; they all report into the same GEM Time account.

Request a demonstration or a configuration quote

We will show you the LTIMA7P working against your own shift pattern, and quote the terminal configured with the readers you actually need — including training and the Extended Service Agreement.

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Specifications. Figures are those of the terminal as supplied at the date of this sheet and may be changed without notice. Capacities are maximums and depend on the modules fitted. Ask us for a written confirmation of the configuration before you order.