

Biometric time clock

LTIMA5

Fingerprint, face, palm and card on a 5-inch touch screen — one cable, one wall, one price that works for a second location.



Example configuration shown; modules are fitted to order.

The **LTIMA5** is the terminal we install where a clock stays indoors on one wall and has to be dependable and affordable: a 5-inch touch screen, four ways to clock, and a single network cable that carries both the data and the power. 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.

5"

capacitive touch
1280 × 720

4 ways

finger, face, palm
and card

PoE+

one cable for
data and power

1,000,000

transactions held
on the clock

What the LTIMA5 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 face, touchless palm, and 125 kHz / 13.56 MHz cards including NFC. Face and palm are read in milliseconds, with nothing to touch.

One cable to the clock

PoE+ carries the data and the power over the same network cable, so the clock does not have to hang next to a socket. A 12 V adaptor is supplied where PoE is not available.

The price that opens a second site

The LTIMA5 is the value terminal in the range. Put one at each location and they all report into the same GEM Time account, under one set of rules.

Clocking

- **Fingerprint** — optical sensor, up to 20,000 templates.
- **Face** — 20,000 visible-light templates on the face module, plus a dual camera for a further 1,000. Recognition in milliseconds, with nothing to touch.
- **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 — Ethernet or dual-band Wi-Fi.
- 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

- One relay for a door release or a bell, and one programmable LED indicator.
- Access per clock: an employee is tied to the terminals they are allowed to use.

Where it fits. The LTIMA5 is the indoor, fixed, best-value terminal in the range. Where the clock must survive a power cut, drive a lock and an alarm or sit on a gigabit network, that is the LTIMA7; for a yard or a gate with no cable and no shelter, the LTIMA7P adds a battery, 4G and an IP66 housing. All three report into the same system.

Technical specifications

Model & platform

Model	LTIMA5 — biometric time clock
Display	5-inch TFT LCD, capacitive touch, 1280 × 720, 16:9
Processor	8-core
Operating system	Android
Memory	2 GB RAM · 16 GB ROM
Audio	Speaker and microphone · on-screen soft keypad

Biometrics & capacity

Fingerprint	Optical fingerprint sensor — 20,000 templates
Face	Visible-light module — 20,000 templates · dual camera — 1,000 templates
Palm	Visible-light module, touchless — 5,000 templates
Card	10,000
Transactions	1,000,000
Recognition speed	Face and palm in milliseconds

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 Mbps
Wi-Fi	Certified dual band 2.4 GHz / 5 GHz · 802.11 a/b/g/n/ac
Other	USB 2.0

Access control interface

Relays	1 — bell or door release
Indicators	1 programmable LED indicator

Power, housing & support

Power

AC adaptor	12 V · 1.5 A
Power over Ethernet	PoE+ IEEE 802.3at (optional) · power class 0–4 · max. current 500 mA · PSE voltage 50–57 VDC · max. power 30 W (PSE and PD) · PD input voltage 48 V
Battery	Not fitted — the LTIMA5 runs from the adaptor or from PoE. Where the clock has to keep working through a power cut, use the LTIMA7 or the LTIMA7P.

Environment & housing

Position	Indoor wall mount. No water or dust rating — for an outdoor position use the LTIMA7P.
Operating temperature	0 °C to 45 °C (32 °F to 113 °F)
Operating humidity	5% to 80%, non-condensing
Width	14.5 cm (5.7 in) base with cover plate
Height	13.9 cm (5.47 in)
Depth	5.4 cm (2.13 in)

Modules

Fitted to order	Face and palm module · optical fingerprint reader · multi-card reader. Barcode and magnetic-stripe readers can be added against a minimum order quantity. 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 LTIMA5, LTIMA7 and LTIMA7P terminals; they all report into the same GEM Time account.

Request a demonstration or a configuration quote

We will show you the LTIMA5 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.