Mobile data usage per employee

RedSmart HR · Time clock and rest-break log (Ley Silla) · Figures **measured in production** on 14 August 2026

6.1 MB	**6.7 MB**	**$0.22 MXN**
Install, **once** per device	Usage, **per month** (22 working days)	Monthly data cost **per employee**

A full month of usage is **less than one minute of video** on the phone. The sensitive point is not the monthly cost but the **first install**: it is worth doing it on WiFi.

1 · What is downloaded on install (once)

Component	Over the wire	Compressed
Application: code, styles and bilingual copy	256 KB	Yes (gzip)
Typography and icons (served by CDN)	~250 KB	Yes
Liveness check: compute engine (WebAssembly)	1,979 KB	Yes (Brotli)
Liveness check: model that runs on the phone	3,670 KB	Does not compress
Liveness check: integration bridges	114 KB	Yes (gzip)
TOTAL INSTALL	**6.1 MB**	

The engine went from 9,279 KB to **1,979 KB** once compression was enabled on the server: a **79%** saving per device. **Facial recognition is not in this table because it runs on the server**: it costs the employee zero bytes. The only download is the liveness check, and only if the company bought it.

2 · What a normal working day uses

Activity	Times a day	Each	Total
Clock-in with facial verification (in and out)	2	93 KB	186 KB
Opening the time-clock screen	2	35 KB	70 KB
Rest-break log - Ley Silla (start and end)	4	2 KB	8 KB
Opening the break log	1	35 KB	35 KB
Day status and policy lookups	3	3 KB	9 KB
TOTAL PER DAY			**308 KB**

Ley Silla does not use the camera: its records are text and weigh 2 KB, 46 times less than a clock-in with a face. The **liveness check runs inside the phone** and adds a single frame per clock-in, already counted above.

3 · What it costs the employee in data

Period	Data	Estimated cost
First month (install + usage)	12.8 MB	$0.42 MXN
Every month after	6.7 MB	$0.22 MXN
A full year of operation	86.5 MB	$2.85 MXN

Based on $0.033 MXN per MB, the rate of a common prepaid plan in Mexico (around $50 for 1.5 GB). Without a plan, a loose megabyte can cost up to 30 times more, so the device should be on a data plan or on WiFi.

4 · To put the figure in perspective

One month of RedSmart HR equals	Data
1 minute of social-media video	~7 MB
7 minutes of online music (128 kbps)	~6.7 MB
Time clock + Ley Silla, full month	**6.7 MB**

A month of full labor-compliance usage fits in **one minute of video**. For the employee it is imperceptible; for the company it replaces paper cards, punch clocks and physical logbooks.

> **How these figures were obtained.** Each file was downloaded from the production server requesting compression the way a browser does, and the bytes that actually travelled over the wire were measured. Each clock-in photo is 640 x 640 pixels at quality 0.7, values read from the code. These are **reasonable estimates, not measurements**: the weight of the photographed face (~65 KB, it varies with lighting and background), that of already-authenticated screens (~35 KB) and that of third-party fonts. The number of breaks per day depends on the policy each company configures.