

SensorPulse Localhost API

The read-only HTTP API delivers live sensor data as JSON. Default port **8765**. Enable in SensorPulse: **Settings** → **Automation** → **Localhost sensor API**.

Default: The API listens on `127.0.0.1` only – safe for Rainmeter and scripts on the same PC.

Remote access (Companion app)

Optionally enable **Remote access (Companion app)** in Settings. SensorPulse then also listens on your LAN IPs for phones/tablets on your home network or VPN – *read-only*, with API token.

Step-by-step setup: Companion setup guide. The Companion app (Android/iOS) is coming soon to app stores.

Endpoints

Path	Description
<code>GET /api/health</code>	<code>{"status":"ok"}</code> – connection test
<code>GET /api/sensors</code>	JSON array of all active sensors
<code>GET /api/quicklook</code>	Compact CPU/GPU/RAM + alerts
<code>GET /api/alerts</code>	Active warnings
<code>GET /api/companion</code>	Dashboard payload for the Companion app
<code>GET /api/history/{sensorId}?minutes=60</code>	Sensor history

Authentication

When an API token is set (required for remote access):

Authorization: Bearer YOUR_TOKEN

Security

- Remote access on home network or VPN only – do **not** expose to the internet
- Windows Firewall: inbound TCP on the API port, **Private** profile
- Regenerate the token if it may be compromised

Rainmeter example

Download: Rainmeter skin (README). Copy to `Documents\Rainmeter\Skins\`. Localhost (`127.0.0.1`) only.