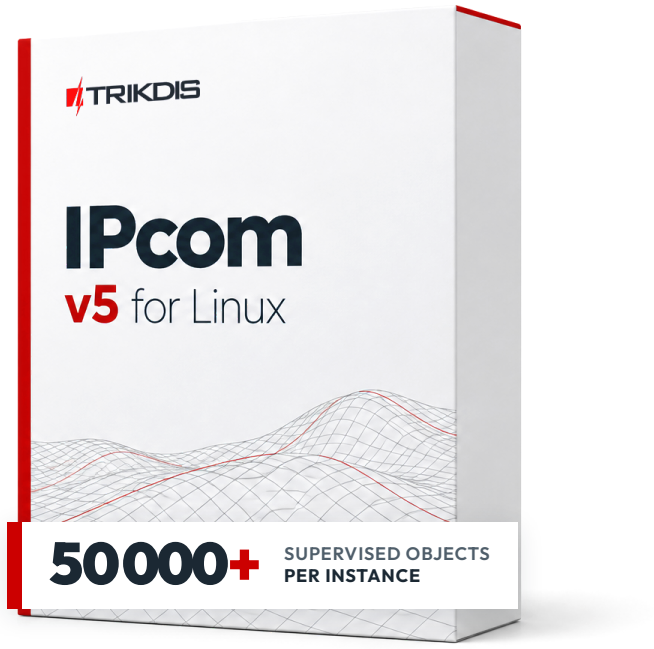
IPcom

v5 for Linux

Alarm reception on your own server.

IPcom v5 receives, processes, routes and supervises alarm events from TRIKDIS control panels, communicators and controllers, and delivers them to your Central Monitoring Station (CMS) software. Install it on your own Linux server or virtual machine and manage it from any web browser.



HOW IT FITS



HOMES OFFICES RETAIL INDUSTRY

Protected sites
Secured with TRIKDIS control panels, communicators and controllers.

TRIKDIS PROTOCOL →

Linux server or VM

IPcom v5

Receive
IP, SMS (SMPP), RS232

Process
Filters, account override

Route
Each event to the right output

Supervise
Connection loss and restore

Web UI HTTPS | **REST API** | **SQL** DB

OUTPUT FORMATS →

CMS software
Surgard MLR2, MLR2000, Ademco 685, SIA DC-09, Monas 3

Integrations
JSON server, Webhook, TCP server, REST API

Protegus 2 app
Events relayed to the app

WHY IPCOM V5 FOR LINUX

Web-managed
Run the receiver from any browser over HTTPS, with a live dashboard of load, event flow and output buffers.

Open integration
Deliver events to CMS software in standard formats, or to your own systems via JSON, Webhook and REST API.

Full accountability
Settings changes are logged with who made them. Each account gets only the permissions it needs.

Built to scale
Virtual receivers on separate ports and tens of thousands of concurrent device connections per instance.

REFERENCE

Technical specifications

Platform

OPERATING SYSTEM
Debian Stable, amd64 (x86_64)

RUNS ON
Physical server or virtual machine

CAPACITY
50000+ objects per instance, scales with RAM

HOSTING
On your own infrastructure

Input: receiving

DEVICES
TRIKDIS control panels, communicators and controllers

PROTOCOL
TRIKDIS protocol, encrypted

CHANNELS
IP (TCP / UDP), SMS (SMPP), RS232

RECEIVERS
Several, on separate ports of one IP address

Output: to CMS

OUTPUT FORMATS
Surgard MLR2, MLR2000, Ademco 685, SIA DC-09, Monas 3

OUTPUT CHANNELS
TCP client / server, RS232, JSON server, Webhook

ROUTING
Multiple outputs, split / multi-port

BUFFER
Event queue per output (default 1000)

Event handling

SUPERVISION
Loss and restore, configurable timeouts

FILTERING
Radio message filter; ignore start-up events

ACCOUNT OVERRIDE
Object number changed before output

PROTEGUS 2 APP
Events relayed through the receiver

Security & access

DEVICE TRAFFIC
Encrypted, key of 6 or 16 characters

USER RIGHTS
Permission scopes per account

AUDIT TRAIL
Settings changes logged with who made them

NETWORK
IP whitelist on server outputs; admin access via VPN

Management & data

INTERFACE
Web, HTTP / HTTPS, any browser

REST API
JSON over HTTPS, JWT tokens

SQL DATABASE
Event history, retention 1 to 365 days

MAINTENANCE
Remote update; object list export (CSV)

PLANNING

Recommended server sizing

DEPLOYMENT PROFILE	RAM	STORAGE
Baseline deployment	4 GB	128 GB SSD
Large deployment approx. 100 000 objects	8 GB	128 GB SSD
With SQL database enabled	8 GB	256 GB enterprise SSD for high write endurance

Reserve extra disk space for logs, backups and update rollback files. Open only the listener ports you configure.

ONE PLATFORM

Three ways to deploy

	Windows	IPcom v5 on Windows 11 Pro or Enterprise
	**Linux**	**IPcom v5 on your Debian server or VM**
	**RL25**	Ready-to-use rack-mount hardware receiver

Same IPcom v5 platform and web interface in all three.

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DOCUMENTATION
docs.trikdis.com/en/receivers/ipcom
api.docs.trikdis.com

Specifications are subject to change without notice. Data sheet v3.0, November 2026.