

§ 01 / AXIS PERSONAL MAP SERVER

TACTICAL EDGE GEOSPATIAL SERVER

Fast, fault-tolerant, easy to install and configure.

Built for vehicle kits, rugged Toughbooks, tactical operations centers, and broadband MANET hubs. The Axis Personal Map Server streams OGC-compliant map and imagery at the edge, bridging local sUAS sensors and multi-terabyte geospatial archives to end-user devices with zero cloud backhaul.

WORKS WITH **ATAK** **WINTAK** **ITAK** **QGIS** **ARCGIS PRO** **FALCONVIEW** **OPENLAYERS** **LEAFLET**



TOC, VEHICLE KIT, MANET HUB AND EUDS OFF ONE HOST

ZERO CLOUD BACKHAUL

0
CLOUD DEPENDENCIES

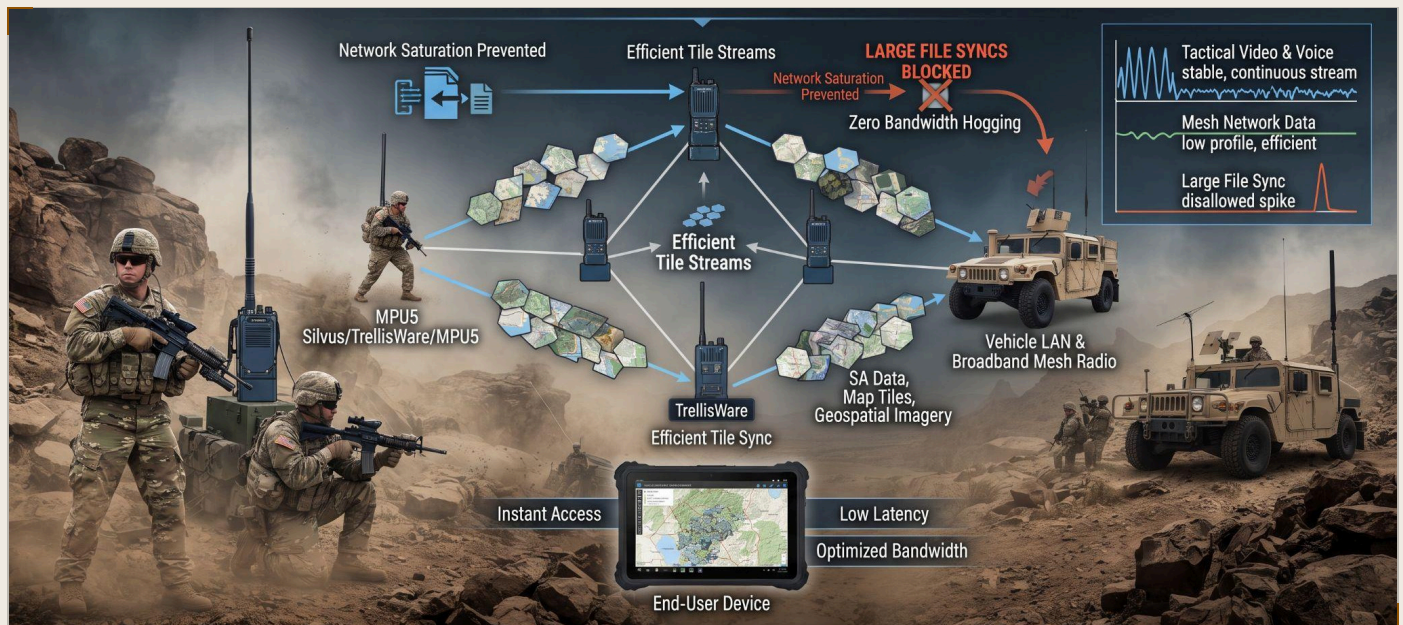
C/C++
NATIVE WINDOWS BINARY

\$99
PERPETUAL, PER INSTALL

15 DAYS
FREE EVALUATION

Built to run with the network gone.

Denied, disrupted, intermittent, limited. The server holds no outbound dependency to lose – no cloud, no external DNS, no remote telemetry – so there is nothing for a dropped link to take with it.



ON-DEMAND TILES ACROSS THE MESH, NOT A MULTI-GIGABYTE SYNC

SILVUS • TRELLISWARE • MPU5

01

Air-gapped, with nothing leaking outward

Operates completely disconnected in denied, disrupted, intermittent and limited bandwidth environments – **zero outbound cloud dependencies, zero external DNS lookups, zero remote telemetry.**

03

Resource-constrained edge compute

Runs on low-draw tactical hardware, vehicle mission computers, single-board nodes and field laptops – Panasonic Toughbook, Dell Rugged – without draining a mobile power pack or a vehicle battery to do it.

02

Engineered for broadband tactical MANETs

Streams lightweight, on-demand tiles across broadband mesh radios and vehicle LANs. Network saturation from large file syncs goes away, and the RF bandwidth it would have taken stays open for tactical video and voice.

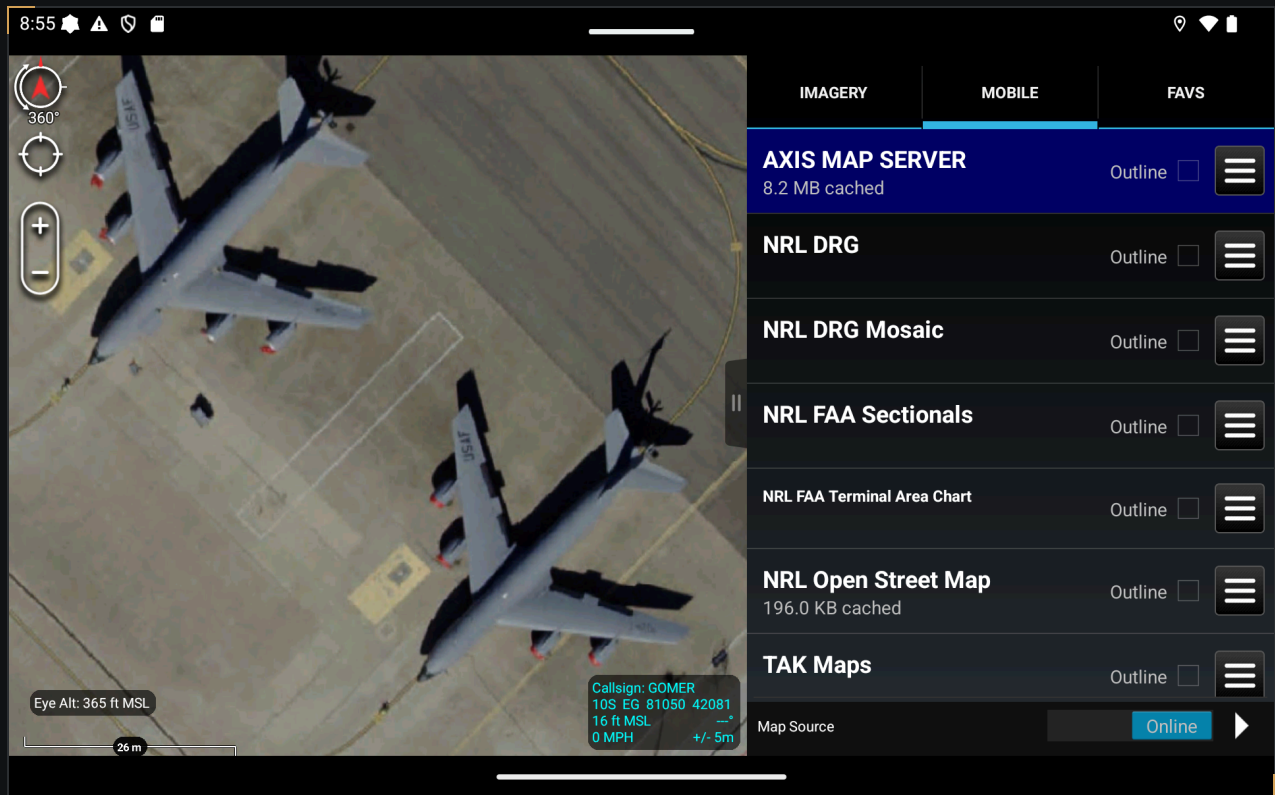
04

Bare-metal efficiency

A high-throughput C/C++ architecture keeps CPU cycles and thermal dissipation down, which is what keeps an edge host cool and reliable in a hot vehicle or a sealed enclosure.

Added from the UI. Streaming in seconds.

Point ATAK's Map Sources tool or WinTAK's Layer Manager at the server's local IP and port. The layers are discovered and drawn — no XML to author by hand, no bridge software to install first.



ATAK · MAP SOURCES · AXIS MAP SERVER

EYE ALT 365 FT MSL

01

Native GUI ingestion in ATAK and WinTAK

Operators add the endpoint through the dialogs already in front of them — the WinTAK Layer Manager, the ATAK Map Sources tool. Point the client at the server and stream.

03

Zero-footprint EUD acceleration

Tile pyramid decoding and gigabytes of storage move off the handheld and onto the edge server, which is what relieves battery-constrained phones and body-worn Android devices of thermal throttling and full disks.

02

No more Mission Package transfer timeouts

Bypass failed 2–4 GB basemap Mission Package transfers, stalled TAK Server sync queues, and downloads that corrupt halfway over narrow tactical bandwidth.

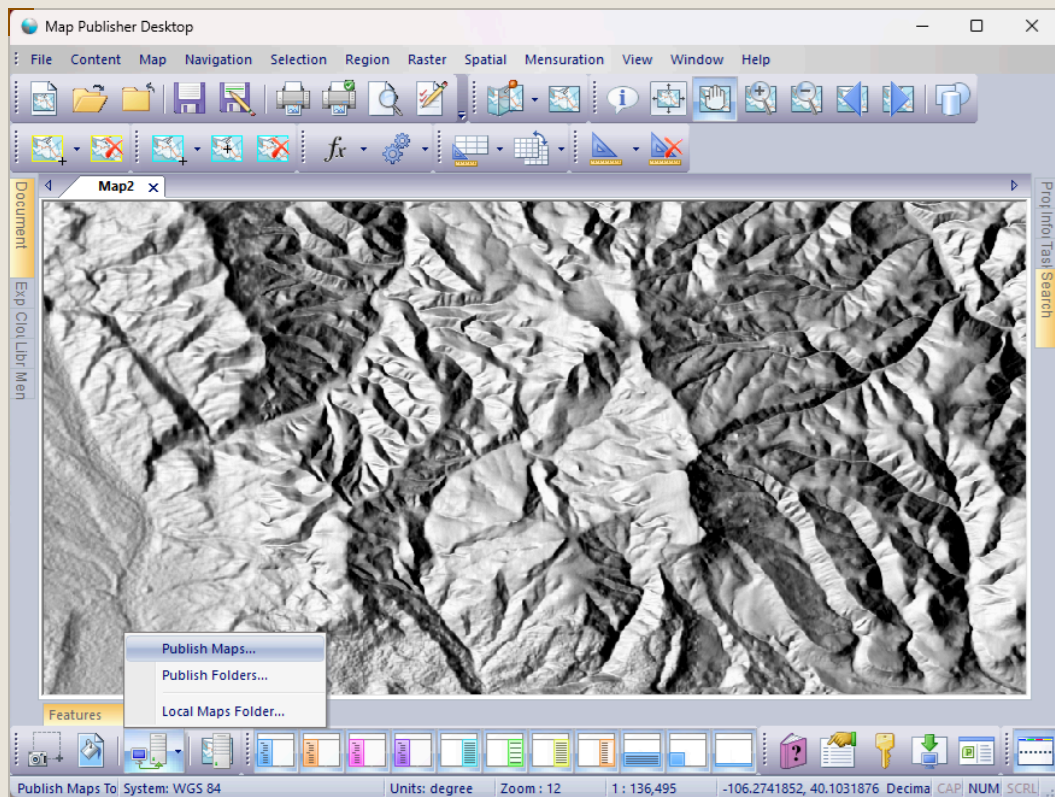
04

Stream live or sideload direct

Broadcast live tile streams over local RF, or copy the identical standalone OGC GeoPackages into **/sdcard/atak/imagery/** or WinTAK for operators working beyond radio range.

Open standards, all the way down.

Native OGC services over open formats. Vector, raster and terrain reach the same clients at the same time, with nothing proprietary sitting between the data and the map.



MAP PUBLISHER DESKTOP • SHADED-RELIEF ELEVATION

WGS 84 • 1:136,495

01

Full OGC service compliance

Native **OGC WMS 1.1.1 and 1.3.0**, **WMTS 1.0.0**, standard XYZ tile streams, and KML super-overlays – implemented rather than proxied.

02

Multi-INT data modalities

Serves vector feature layers – roads, watercourses, operational boundaries – high-resolution multispectral raster imagery, and shaded-relief or colorized elevation models to concurrent clients at once.

03

Open formats, so the data stays yours

GeoPackage, MBTiles, Cloud-Optimized GeoTIFF and standard XML capabilities. Nothing in the pipeline requires our software to read later.

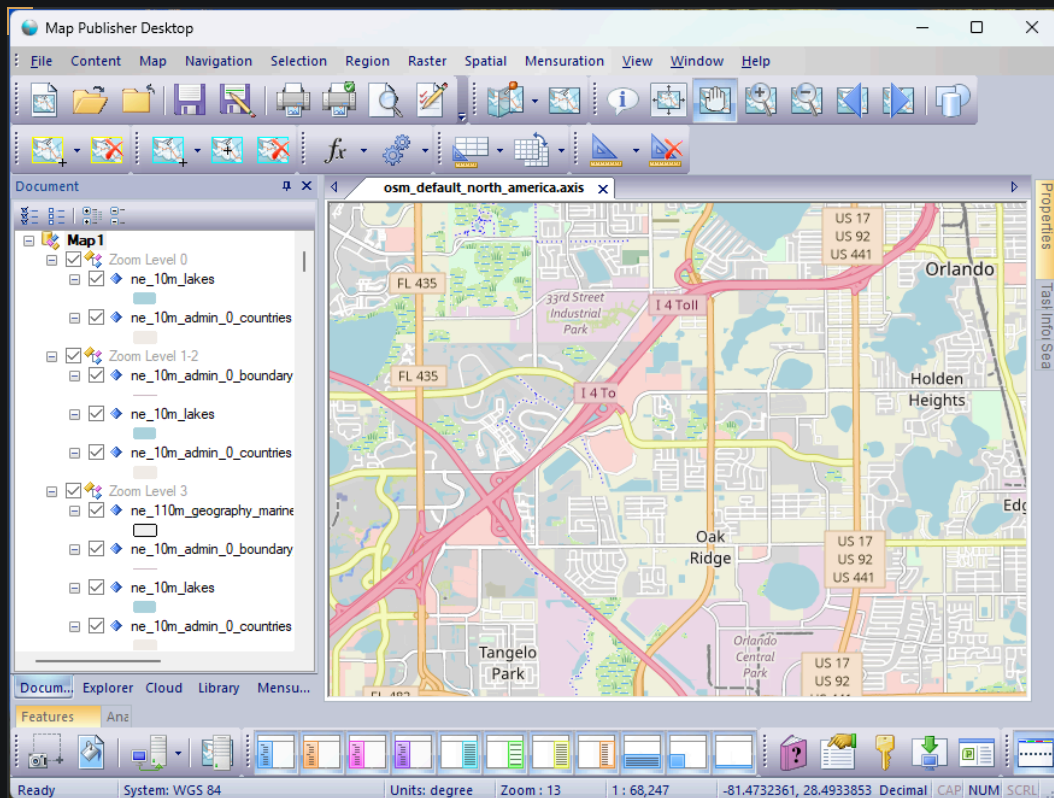
04

Straight into the COP

Interoperates out of the box with QGIS, ArcGIS Pro, FalconView, OpenLayers v10+, Leaflet, and Common Operational Picture battleboards.

Author the map in the field, not in a config file.

The server ships with the desktop application that feeds it. Create, style, layer and publish an operational map from docking panes and dialogs – there is no XML, JSON or YAML to edit, and no command line to script.



MAP PUBLISHER DESKTOP • OSM • ORLANDO, FL

WGS 84 • ZOOM 13

01

Visual map authoring, included

Packaged with Axis Map Publisher Desktop rather than sold beside it. Styling, layer order and publication are all driven from the GUI.

03

Bare-metal fault tolerance

The lean HTTP server carries **no external database engine**, which is what lets it survive sudden power loss, a pulled cable and a vehicle reboot with the catalog intact.

02

Rapid drone and sensor turnaround

Ingest, optimize and publish locally collected sensor data, sUAS orthomosaics and satellite tiles within minutes of landing. Point at the imagery, assign the endpoint, and the squad is streaming it before the next patrol rolls out.

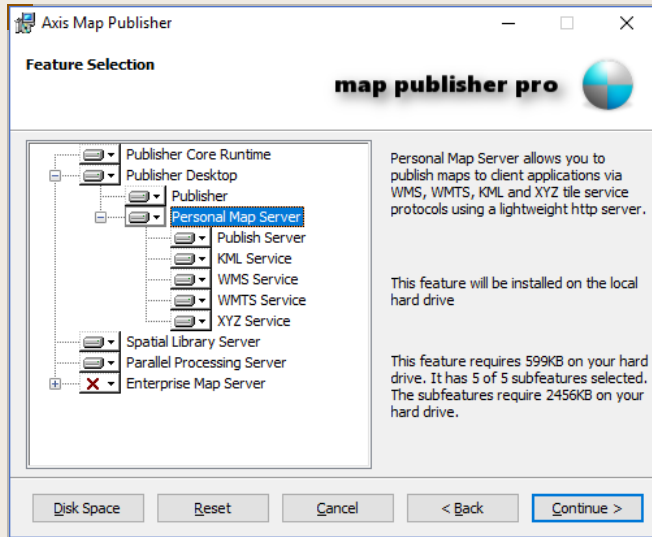
04

Management from the same desktop

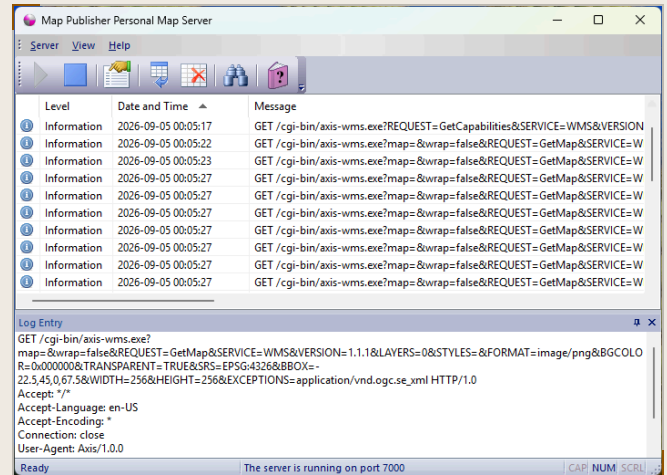
Point at your GeoPackages, rasters or spatial directories, assign layer endpoints, and serve. The server has no console of its own to learn.

A native binary, not a container stack.

Installs as a feature of Map Publisher Desktop and runs as a lightweight HTTP server. Nothing to provision, nothing to orchestrate, and no database to corrupt.



INSTALLER · PERSONAL MAP SERVER · 3 MB



SERVING GETMAP REQUESTS · PORT 7000

01

No open-source traps

No container orchestration, no fragile Python or Java runtime, no broken dependency tree, no cryptic config scripts. It installs as a clean native Windows binary.

03

Unmetered, whatever the archive

Stream extensive local archives of imagery and vector layers with **no data caps, no throttling and no per-gigabyte pricing**.

SERVICES

OGC WMS 1.1.1 / 1.3.0 · OGC WMTS 1.0.0 · XYZ tile services · KML super-overlays

MODALITIES

Vector layers · raster orthoimagery · hillshade and colorized elevation

PROJECTIONS

WGS 84 (EPSG:4326) · Web Mercator (EPSG:3857) · World Mercator (EPSG:3395) · UTM, and thousands more

HOST SYSTEMS

Windows 10 / 11 on Toughbooks, field laptops and rugged edge nodes · Windows Server 2016 or greater, standalone or under Microsoft IIS

02

Flexible deployment footprint

Runs out of the box as a self-contained, zero-config edge server for vehicles and field kits, or deploys via FastCGI under Microsoft IIS for centralized TOC and headquarters distribution.

04

Licensing that keeps OPSEC

No license timeouts, no seat-based SaaS metering, no node-locking dongles and no phone-home telemetry. It deploys in total radio silence.

Ready to serve from the edge?

Included as an integrated server capability within Axis Map Publisher Pro – **\$99 perpetual, per installation**, with a fifteen-day evaluation that needs no key.

01 Buy a license

\$99 per installation. A product key is issued the moment payment clears.

lcic.xyz/products/software/buy

02 Download the free trial

Fifteen days, no key required, no account to create.

lcic.xyz/products/software/download

03 Read the documentation

23 topics and step-by-step tutorials, online and as an offline PDF manual.

lcic.xyz/products/software/personal-map-server



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