

PRODUCT BRIEF

Every branch on one private network.

A multi-tenant branch connectivity platform built on WireGuard. Cameras reach the head-office NVR, phones register to the head-office PBX, and branch-to-branch traffic goes direct — without a leased line at every site.

What a branch network usually costs

A retailer with forty branches wants three ordinary things: cameras visible from head office, phones that register to the head-office PBX, and staff who can reach the systems they need. The usual answers are a leased line per site, or a VPN concentrator that every packet has to pass through.

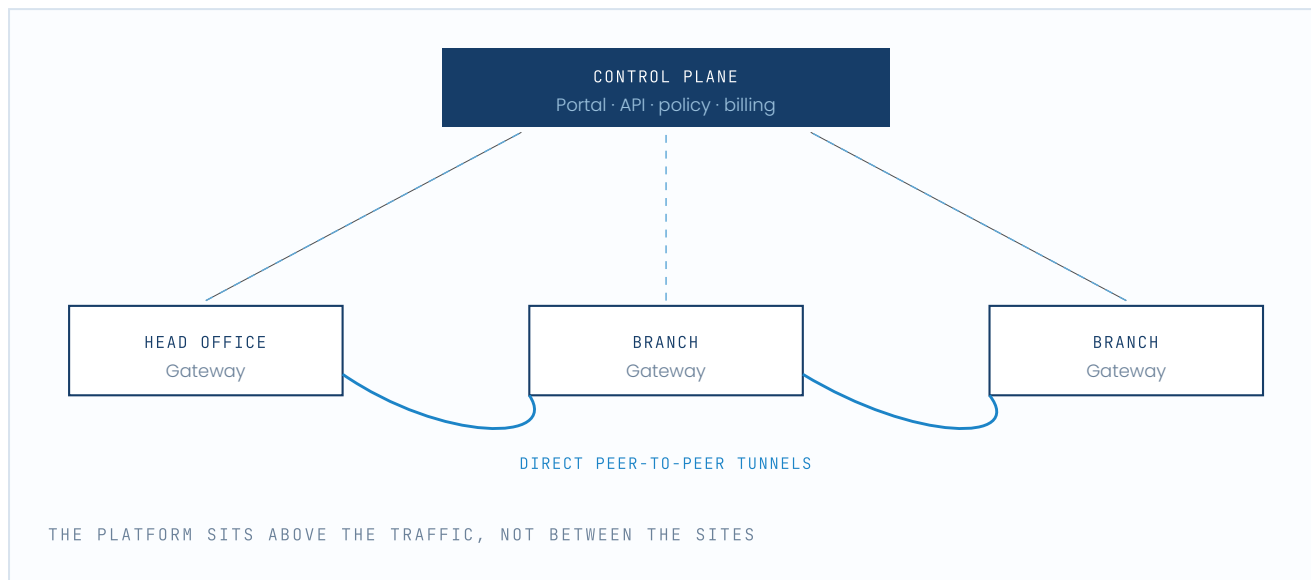
The first is expensive and slow to provision. The second concentrates cost and risk in one box: every branch added is load added at the centre, and the day that box has a bad afternoon, so does every branch.

Both approaches also tend to come with a configuration file per site, written by hand, differing in ways nobody notices until something breaks.

What we built instead

BranchConnect owns intent — customers, branches, routing policy, monitoring, billing — and stays out of the traffic path. Branch traffic is peer-to-peer wherever the network allows it, so adding branches does not add load to a central box.

Control plane, not traffic path



Direct first, relay only when it must

Gateways negotiate a direct, NAT-traversed WireGuard tunnel and use it while the handshake stays fresh. Where a symmetric NAT or CGNAT edge makes that impossible, traffic falls back to a relay automatically — and relayed volume is measured rather than inferred.

Isolation that is structural

Each tenant gets its own WireGuard interface, UDP port and routing table, terminated so a routing miss cannot fall through to another tenant. Application-layer checks sit on top of that, not in place of it.

A branch online in minutes

Create the branch, generate a single-use activation token, run one command on the gateway. It generates its keypair locally — the private key never leaves the device — enrolls, pulls its configuration and brings the tunnel up.

Health you can see

Link state, latency, jitter, loss and current path per gateway, so "the branch is slow" becomes a measurement rather than an argument.

What the customer gets

- ◆ Every branch camera visible on the head-office NVR
- ◆ IP phones registered to the head-office PBX, wherever the branch is
- ◆ Branch-to-branch and branch-to-HQ connectivity without a leased line per site
- ◆ Per-branch subscription billing, monthly or annual
- ◆ Live health per gateway — link state, latency, jitter, loss and path

Built on

WIREGUARD

MULTI-TENANT

NAT TRAVERSAL

ZERO-TOUCH ENROLMENT

PER-TENANT ROUTING

TELEMETRY & ALERTING

STATUS

BranchConnect is an Emalite product in deployment. This brief describes the architecture; a technical walkthrough and a pilot on your own sites are both available on request.

See it on your own branches.

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We can run a pilot on two sites and show you the path each tunnel takes.