

iSD-WAN

SD-WAN with security and threat intelligence built in — compared against the incumbents customers most often run today.

Cisco, Versa, Aryaka, Fortinet, and VMware VeloCloud all ship capable SD-WAN platforms. Where customers ask us how we differ, the answer is structural: **iSD-WAN** runs on the same node mesh, the same control plane, and the same engineering bench as the Subpico cybersecurity and intelligence services. Security and intel are part of the platform, not separately licensed add-ons. The silicon range — microcontroller through multi-terabit on one fabric — is wider than any other SD-WAN portfolio currently on the market.

One fabric, not three.

SD-WAN, cybersecurity, and threat intelligence on the same mesh. No second portal, no second console, no second contract.

Wider silicon range than any incumbent.

Microcontroller IIoT probes through multi-terabit international gateways. One overlay protocol, one telemetry path, one operations team.

Flat-rate per site, security and intel included.

No separate Umbrella, SIG, ThousandEyes, or threat-feed line items. Pricing model is visible up front because that is how senior procurement evaluates.

Legend · ✓ supported · ✗ not supported · 🟡 partial / via add-on · — not applicable

Capability	Cisco SD-WAN	Versa	Aryaka	Fortinet Secure SD-WAN	VMware VeloCloud	iSD-WAN
OVERLAY & TRANSPORT						
Encrypted overlay (IPsec, WireGuard, or equivalent)	✓ IPsec	✓ IPsec	✓ IPsec	✓ IPsec	✓ IPsec	✓ WireGuard
Transport-agnostic (MPLS, internet, LTE, satellite)	✓	✓	✓	✓	✓	✓
Application-aware path selection (per-flow, SLA-driven)	✓	✓	✓	✓	✓	✓ on existing 1,080+ L7 classifiers
BUILT-IN SECURITY						
Inline firewall on the data path	🟡 SIG add-on	✓	🟡 add-on	✓	🟡 add-on	✓ XDP/eBPF, ~50µs
Inline IDS/IPS with own threat detection	🟡 Umbrella/SIG	✓	🟡 via partner	✓	🟡 via partner	✓ 10 detectors, behavioural
Real-time threat intelligence from owned sensor mesh	🟡 Talos subscription	✗	✗	🟡 FortiGuard	✗	✓ 131+ nodes, 36 countries
SILICON RANGE						
Microcontroller-class IIoT field probe (LPWAN/LTE-M)	✗	✗	✗	✗	✗	✓

Capability	Cisco SD-WAN	Versa	Aryaka	Fortinet Secure SD-WAN	VMware VeloCloud	iSD-WAN
Branch-class appliance (1–10 Gbps)	✓	✓	✓	✓	✓	✓
Regional / DC-class (10–100 Gbps)	✓	✓	✓	✓	✓	✓
Multi-terabit international gateway (custom build)	✗	✗	✗	✗	✗	✓
Same software stack across the full silicon range	✗ ISR vs Cat lines	✗	✗	✗	✗	✓
OPERATIONS & PRICING						
Single management portal across SD-WAN + security + intel	✗ vManage + Umbrella + ThousandEyes	✗	✗	✗ FortiManager+	✗	✓
Cloud on-ramp (AWS, Azure, GCP)	✓	✓	✓	✓	✓	✗ v1
SASE / ZTNA for remote workers	✓	✓	✗	✓	✗	✗ deferred
Pricing visible up front	✗	✗	✗	✗	✗	✓ flat-rate per site
Security and threat intel included, not separately licensed	✗	✗	✗	✗	✗	✓

What we do not do today, plainly

- **No interoperability with Cisco SD-WAN in v1.** WireGuard-to-IPsec interop is engineering work that requires lab, staging, model, and production parity environments — on both sides. Sites that must run mixed Cisco and Interlace on the same overlay should remain on the Cisco footprint. Interop work begins after v1 ships.
- **No SASE or ZTNA in v1.** Site-to-site and site-to-cloud only. Remote-worker access is a planned later release.
- **No published wire format.** The control protocol is proprietary, like Cisco OMP. Several existing customers in cleared environments prefer this posture.

Pilot pattern

Two sites and one cloud on-ramp. Thirty days. Run in parallel with your existing SD-WAN. Deliverables: side-by-side SLA telemetry from both fabrics for the same applications, a migration plan listing which sites move and which stay on the incumbent, and a TCO model specific to your footprint — including the security and intelligence line items currently licensed separately. No commitment to migrate is required to run the pilot. The data is yours either way.

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Companion documents: [Interlace iSD-WAN Executive Brief](#) · [Interlace iSD-WAN Reference Architecture](#).