

# DISPERSIVE™ EDGE SWITCH

This switch simplifies the way you bridge your enterprise WAN. It is also the only SD-WAN solution that allows edge locations to leverage the award-winning security and high performance found in a Dispersive™ Virtualized Network.

A Dispersive™ Edge Switch is a software-defined Layer 2 switch that bridges your enterprise network across the WAN so your edge locations – small office, branch, ecosystem partner or data center – can participate in a Dispersive™ VN.

Each switch has Layer 2 discoverability built in. That way, it learns the best paths between your locations.

Each switch dynamically aggregates all available WAN connections into a single, high-availability logical link representing all of the physical connections. This greatly simplifies IP address management for hybrid networks and optimizes bandwidth utilization for enhanced application performance.

Each switch supports multiple VLANs. And, since a Dispersive™ VN does not require port assignments for any application, this approach enhances network performance,

improves manageability and increases your security options.

To participate in a Dispersive™ VN, the switch connects to the Dispersive™ VN controller using a standard TLS connection. After authentication, your edge locations connect to the overall enterprise network and can participate in the Dispersive™ VN.

A Dispersive™ Edge Switch is a true software solution available as a VM instance. For drop-in, zero-touch provisioning, we will pre-install it for you on commodity hardware and ship it to your edge location. Upon plugging in physical connections, your switch will automatically configure and connect to your network.

Pre-installed Dispersive™ Edge Switch packages are available in three configurations. See the back page for more details.

## Pre-installed hardware specifications

Item	SOHO	Branch	Enterprise
Commodity hardware make/model	ADI RCC-VE 2440	Desktop Dell 3420 or Rackmount Dell R230	Dell R430 (1GbE interface) Dell R430 (10 GbE interface)
Processor	2 Core Intel Atom C2358	I5-4690	XEON E5-2609 (12 core)
Power	120-240V AC 50-60 Hz	120-240V AC 50-60 Hz	Dual 120-240V AC 50-60Hz
Dimensions	6 7/8" x 7" x 1 1/2"	3420 - 11.5" x 3.65" x 11.5" R230 – 1U Rack Server	1U Rack Server
Max # of concurrent devices	50	250	2500
LAN interfaces	2 x 1GbE	2 x 1GbE	4 x 1 GbE
WAN interfaces	2 x 1 GbE	2 x 1 GbE	4 x 1 GbE or 2 x10 GbE
Management interface	1 x Mini Type B (115.2 Kbps)	1 x RJ-45 10/100/1000	1 x RJ-45 10/100/1000

## Software

Category	Features
Bridging	L2 Bridge Domains, Native VLAN Transport
Failure isolation	Split Horizon/Loop Prevention, Spanning Tree (STP) Isolation
High availability	Hardware protection failover (active/standby)
Security	Full DVN Firewall (Zero Trust), DVN Whitelist, AES-256-CBC, SHA-256, DoS protection, Man-in-the-Middle protection, Interleaving, NAT traversal
QoS	Application-based Prioritization, DSCP Preservation
Multicast	IGMP v1, v2 snooping/pruning
Configuration and monitoring	Web GUI, REST, SNMP v3, v2c, v1, NetFlow, syslog
Out-of-band-management	Management Port, Serial console port
General	WAN Bandwidth Aggregation, Jumbo Frames

### In short

The Dispersive™ Edge Switch makes deploying, managing, and monitoring a hybrid WAN environment better.

Let's talk.

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[www.dispersivetechologies.com](http://www.dispersivetechologies.com)