

## AireSpring Managed SD-WAN Solutions

Optimize your connectivity with network-based, software-defined wide area networks



### AireSpring offers multiple Managed SD-WAN solutions

#### **AireSpring's Platinum Solution - VMware® SD-WAN**

A best-of-breed solution, and Gartner Magic Quadrant Leader, VMware® SD-WAN is the market leader when it comes to mission-critical SD-WAN features and functionality.

#### **AireSpring Fortinet® Secure SD-WAN with Firewall**

Fortinet's Secure SD-WAN consolidates robust networking, routing, and security capabilities in a single appliance which includes a Next Generation Firewall (NGFW).

#### **AireSpring Cisco® Meraki® SD-WAN with Firewall**

An economical solution that provides standard SD-WAN functionality and includes an integrated next-generation firewall to help protect your business from external threats.

All AireSpring Managed SD-WAN solutions provide easy-to-deploy options, including complete solutions engineering design and consulting to guide you in choosing the right SD-WAN for your organization. Our expert service delivery team provides dedicated project management and white-glove implementation and support from our in-house technology experts. These innovative and customizable packages help companies optimize their communications networks by leveraging advanced SD-WAN features and functionality together with AireSpring's nationwide, reliable, and diversified network and professional services. We help ensure that your custom policies are accommodated. Each SD-WAN appliance arrives on-premises preconfigured to meet your unique specifications, eliminating the need for expert IT staff to install, configure and manage the device.

### AireSpring SD-WAN Benefits

#### **Expand Your Bandwidth**

SD-WAN can enhance your internet connection by using low cost, public broadband or internet connectivity to expand your bandwidth with active/active routing.

#### **Scale and Grow with Ease**

Accommodate and respond to rapid business growth by quickly deploying new branches or connecting remote locations to your central headquarters without the longer installation times that can come with traditional WAN solutions such as MPLS.

#### **Reduce Branch Costs**

SD-WAN's centralized, cloud-based software reduces the cost of provisioning, maintenance and local network staff, and simplifies branch-office networking.

#### **Simplify WAN Management**

SD-WAN offers the ease, flexibility, and control of centralized configuration. Gain access to your entire WAN, see network performance, and increase network visibility with centralized WAN management.

Key Features & Functionalities	Benefits	VMWare	Fortinet	Cisco-Meraki
AireSpring White Glove SD-WAN Professional Services	<ul style="list-style-type: none"> <li>Includes implementation design and engineering.</li> <li>We will design (pre-sales), deploy (provisioning) and support (customer service/NOC) your SD-WAN solution at no additional cost. Plus we provide branch deployment support via pre-configuration of SD-WAN edge boxes.</li> </ul>	✓	✓	✓
Free Network Monitoring 24/7/365	<ul style="list-style-type: none"> <li>24/7/365 real-time monitoring by the AireSpring Network Operations Center (NOC), using AireNMS.</li> <li>Proactive ticket initiation, management and resolution by AireSpring NOC in the event of a network alert.</li> </ul>	✓	✓	✓
Free 3rd Party Circuit Support	<ul style="list-style-type: none"> <li>AireSpring will proactively open repair tickets on behalf of customers for their non-AireSpring, internet-only circuits. Not offered by many vendors. Only available at a premium cost by the few that do.</li> </ul>	✓	✓	✓
Free Read and Write Access	<ul style="list-style-type: none"> <li>Read and Write Access to Dashboard/Orchestrator. Provides customers with configuration level capabilities to their SD-WAN environment.</li> </ul>	✓	✓	✓
WAN Failover	<ul style="list-style-type: none"> <li>Every Appliance supports multiple WAN uplinks with automatic failover for protection against connection outages.</li> <li>Optional WA warm spare failover ensures the integrity of service at the appliance level. In the event an appliance goes offline, a secondary device will automatically take over.</li> </ul>	✓	✓	✓
3G/4G Failover	<ul style="list-style-type: none"> <li>Traffic is automatically redirected to a 3G/4G interface in the event of a connectivity failure. Requires existing or new 3G/4G circuit (sold separately).</li> </ul>	✓	✓	✓
Advanced Firewall and Unified Threat Management (UTM)	<ul style="list-style-type: none"> <li>Next-Generation Managed Firewall with UTM features.</li> <li>Comprehensive, multi-layered security that safeguards your network and data assets against viruses, malware and emerging cyber threats.</li> <li>Control outbound and inter-network traffic using firewall rules.</li> </ul>	✗	✓	✓
Advanced Firewall with DPI-SSL	<ul style="list-style-type: none"> <li>SSL deep inspection unlocks encrypted sessions, sees into encrypted packets, finds threats, and blocks them.</li> </ul>	✗	✓	✗
IPSec Virtual Private Networking (VPN)	<ul style="list-style-type: none"> <li>Provides the ability to quickly interconnect locations over inexpensive broadband circuits.</li> </ul>	✓	✓	✓
Traffic Shaping	<ul style="list-style-type: none"> <li>Provides the ability to prioritize network traffic so that heavy-use applications or those requiring a significant amount of bandwidth to operate do not impact other users on the network.</li> </ul>	✓	✓	✓
Per Flow Load Balancing	<ul style="list-style-type: none"> <li>Rule-based per flow load balancing. Packets of the same flow go over the same link.</li> </ul>	✓	✓	✓
Priority Routing	<ul style="list-style-type: none"> <li>Routes calls and other priority real-time application traffic over cleanest WAN connection to eliminate dropped calls, choppy sound quality and echoes.</li> </ul>	✓	✓	✗
Border Gateway Protocol (BGP) and Routing Support	<ul style="list-style-type: none"> <li>Full routing support: BGP, Open Shortest Path First (OSPF) and multicast.</li> </ul>	✓	✓	✗
Bi-directional Priority Routing	<ul style="list-style-type: none"> <li>Application link/route decisions are made at the premises and within the AireSpring core network.</li> </ul>	✓	✓	✗
Mix & match existing or new MPLS with your SD-WAN	<ul style="list-style-type: none"> <li>Mix and match over 20 different vendors with multiple access types to create the optimal solution for your enterprise.</li> </ul>	✓	✓	✗
Secure and Private Direct Connection to Most Major Cloud Providers	<ul style="list-style-type: none"> <li>Connect privately and securely with full QoS to dozens of cloud providers, hundreds of datacenter providers, and thousands of SaaS providers.</li> </ul>	✓	✓	✗
DDoS Mitigation	<ul style="list-style-type: none"> <li>Free DDoS Mitigation included with 3-year SD-WAN contract and AireSpring Gateway Access. DDoS Mitigation only provided on in-tunnel internet traffic traversing AireSpring Gateway Access.</li> </ul>	✓	✓	✗
Access to AireSpring Gateway	<ul style="list-style-type: none"> <li>Able to connect to the AireSpring Gateway.</li> </ul>	✓	✓	✗
Seamless WAN Failover	<ul style="list-style-type: none"> <li>Seamless WAN failover.</li> </ul>	✓	✗	✗
Per Packet Load Balancing	<ul style="list-style-type: none"> <li>Per packet load balancing sends packets in sequence alternately over the links. Load is evenly distributed over the links.</li> </ul>	✓	✗	✗
Optimized for Voice Circuits with Real-time Sub-Second Application Failover	<ul style="list-style-type: none"> <li>Assures sub-second link failover during blackout conditions.</li> </ul>	✓	✗	✗
Forward Error Correction	<ul style="list-style-type: none"> <li>Guards against poor internet quality even on a single WAN circuit, ensuring real-time applications such as voice and video are not affected by packet loss, latency and jitter.</li> </ul>	✓	✗	✗
Managed Internet Access / Single Ingress IP	<ul style="list-style-type: none"> <li>Although disparate internet links cannot guarantee Quality of Service (QoS) into a given premises, decisions can be made from a central anchor point based on utilization about the best link/route for an application flow to use.</li> </ul>	✓	✗	✗
Dynamic Path Selection / Bandwidth Aggregation Over Single Link	<ul style="list-style-type: none"> <li>The bandwidth of two or more connections is combined to provide a single connection. Traffic path is selected per packet based on loss, latency and jitter.</li> </ul>	✓	✗	✗
Free Flex Licensing	<ul style="list-style-type: none"> <li>Customers are never forced to license more than what they need.</li> <li>AireSpring's flex pricing right-sizes SD-WAN licensing, resulting in 30%-70% lower SD-WAN costs.</li> </ul>	✓	✗	✗
Maximum WAN Links	<ul style="list-style-type: none"> <li>The maximum number of WAN uplinks supported.</li> </ul>	3+ (depending on model)	4+ (depending on model)	2