

# Always On VPN Concentrator with DirectAccess

## datasheet

Seamless cohesive VPN device solution for domain-joined, nondomain-joined, Azure AD-joined, and even personally owned devices



### IVO Networks AOVPN-3100 Appliance Features at a glance

#### IVO Always On VPN Concentrator for Windows 7/8/10:

- Windows Server Embedded 2016 (Optional Windows Server Embedded 2012 R2)
- Security network edge solution
- Seamlessly scale through arrays/clusters
- 10Gbe scaling for “untrusted” / “zero trust” internal network client deployments.

#### Proprietary Enhancements:

- Only IVO Networks products have the ASAFE High-Availability Failover Client technology for Microsoft Always On VPN (FC4AO)
- ASAFE Cloud-Based Real-time Monitoring and Reporting for MS Always On VPN.
- ASAFE Trusted Platform Module security chip management and configuration for VPN clients and Always On VPN concentrator appliances.

#### Features:

- Windows Hello for Business replaces passwords with strong two-factor authentication on PCs and mobile devices.
- Traffic filtering to enforce which applications VPN clients can access.
- App-triggered VPN profiles to connect automatically when certain applications or types of applications start.
- VPN conditional access and device compliance can require managed devices to meet standards before they can connect to the VPN.
- Trusted Platform Module (TPM) Key Attestation for user certificates provides a higher security assurance, backed up by non-exportability, anti-hammering, and isolation of keys provided by the TPM.

**Overview** The IVO Networks Always On Microsoft VPN appliance enables mobile productivity, security, and convenience for your employees. Your employees can use a virtual private network (VPN) connection to remotely connect to your organization’s network. AOVPN is integrated into Windows 10 making it easy to roll out new VPN connection profiles. This Always On VPN connection profile simplifies how employees connect when they are away from the office and it helps improve the remote access experience for your employees by providing a seamless, secure network connection to your internal network from their Windows 10 workstation or mobile device.

Some benefits of Always-On VPN Appliances include:

- Improving employee experience by automatically connecting to the corporate network using VPN.
- Minimizing user touch points, leveraging a single sign-in and certificate check to provide ongoing connectivity.
- Enabling VPN compliance policy enforcement through system health checks.

#### Providing an Always-On remote access experience

Employees will automatically utilize new VPN connection profiles installed onto the workstation—are then automatically connected when they try to open a website or network resource that needs a VPN connection. Employees don’t have to do anything to connect after their initial sign-in. By default, the Always-On VPN connection profile chooses the best entry point based on an employee’s geographic location. The Always-On VPN connection profile can utilize the same strong authentication methods, PKI, Certificate, methods you have in place today including optional employee sign-in with multi-factor authentication. Employees only need to sign in once and a certificate is issued that makes all future connections automated—up to the time-bound expiration date you can configure for the certificate.

#### Securely accessing the corporate network on domain-joined or managed devices

System Center Configuration Manager can optionally be used to manage all your domain-joined computers, and Microsoft Intune can optionally provide

enterprise mobility management support for your Microsoft Azure Active Directory (Azure AD) domain-joined computers and mobile devices that have enrolled in the service. In this increasingly popular hybrid configuration, VPN policies can then be replicated into Microsoft Intune and applied to all your enrolled devices; this would include certificate issuance from your CA/PKI services.

#### Technical Specifications

##### Form Factor

1U Rackmount  
Dimensions (HxWxD): 1.7x15.1x17.5 in.  
Weight: 13.6 lbs

##### Platform

One Intel Xeon E3 Processor  
Intel C232 chipset

##### SSL/IPsec Encryption Chipset

SSL/IPsec encryption chips optional

##### System Memory

16GB DDR4 2133MHz ECC

##### Storage

2 x 1TB 2.5” Drives  
RAID 1 Mirror

##### Networking

Ethernet Ports: 2 ports standard  
Add-on: 4xLAN 1GbE Module, 10Gbe Module

##### I/O Interface

USB 3.0: 2 ports  
IPMI  
Browser-based Remote LAN KVM

##### Cooling

CPU Active heatsink  
High Speed Triple Blower Fans

##### Environmental Parameters

Temperature, ambient operating / storage: 0°C ~40°C / -20°C~70°C

##### Miscellaneous

Internal RTC with Li Battery

##### Power

Type / Watts: 250W

##### Recovery Manager

Appliance Image Snapshot Manager  
Image restore from local or network

#### Further Information

For more information about IVO Networks, call us at (866) 4-IVOAPP (US & Canada), (650) 286-1300 or visit our Web site at [www.IVOnetworks.com](http://www.IVOnetworks.com)