

Microsoft Cloud Edge Gateway (MCE) Series Appliance

Enterprise Remote Access in a Unified Solution

- ✓ Comprehensive Remote Access software bundle in a Single Clustered (Cluster in a Box) Hardware Product powered by 100% Microsoft Windows Server and Storage technologies
- ✓ Extensible Platform – Add Functionality Simply with Plug-In Feature Packs
- ✓ Add new IT Services without the Cost of Training your Staffs
- ✓ Expand your Operations with Our Team of Product Experts



Windows Server 2012 R2 powered
Unified Remote Access and Cloud Connectivity Solution

Product Overview

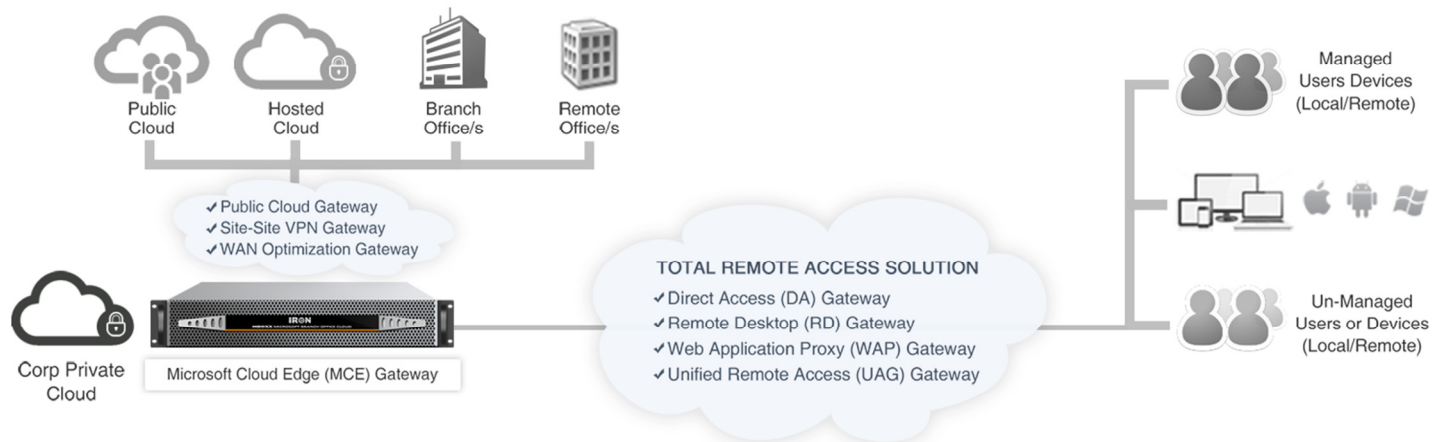
IRON MCE series appliance platform reduces complex challenges associated with "anywhere remote access" deployments by providing a broad set of remote access services with a plug-and-play appliance experience. The combination of Microsoft's remote access technologies and Iron Networks' security-hardened, performance-tuned and purpose-built appliances with dual motherboard server controller with shared storage clustering (Cluster-in-a-Box) for enterprise-grade availability supporting over 10,000 users per device makes for a very powerful and compelling remote access solution.

Unified Network Remote Access, End-Point Security and Cloud Connectivity Gateway Overview

The IRON Networks MCE series hardware appliance platform powered by Microsoft Windows Server 2012 R2 based Unified Remote Access technologies is the most comprehensive solution in the market enabling both secure remote user access and multi-cloud connectivity for all sizes companies.

Comparable products from other companies require several servers and other technologies configured into a high-availability configuration. Such systems require months of expert labor and resources to construct and requires ongoing IT support from your staff. Such systems add to the cost of providing IT services and distractions from core IT services.

The MCE product is simple to install and manage and is backed and supported by product experts at Iron Networks dedicated to these security products.



Microsoft Cloud Edge Gateway Solutions Key Features

- ▶ Comprehensive remote access based on future-proof Windows Server 2012 R2 technologies . Supports Microsoft DirectAccess VPN Gateway, Microsoft Web Application Proxy (WAP) Gateway, Microsoft Unified Access Gateway (UAG) Microsoft Remote Desktop Gateway , Microsoft Threat Management Gateway (TMG), Microsoft Network Virtualization Gateway (NVGRE) and Riverbed Steel Head WAN Optimization in an integrated out-of-box security appliance solution.
- ▶ Secure Site-to-Site VPN connectivity of corporate network to remote and branch offices, and hosted private clouds; Secure private cloud connectivity to Microsoft Azure public cloud; Secure private connectivity to Amazon AWS public cloud, and WAN optimization solution that delivers applications and data at the fastest speeds across the optimal networks at the lowest cost.
- ▶ Secure and Seamless user experience through a wide variety of end-user devices support including home PCs, laptops, tablets, PDAs and smart phones, and BYOD applications support.
- ▶ Consistent Access for on-premises, remote and mobile users, customers and partners for application hosted on-premises, in private or public clouds.
- ▶ Granular access control, comprehensive end-point policy enforcement, auditing and monitoring across physical, virtual and cloud resources

Microsoft Cloud Edge Gateway (MCE) Series Appliance

Turnkey, Unified Remote Access and Multi-Cloud Connectivity Solution

Always on, Seamless User Connectivity

Microsoft DirectAccess technology in Windows Server 2012 provides a seamless and transparent user experience. All users need to do is login to their domain joined corporate machine with their normal credentials, be connected to the internet, and DirectAccess automatically establishes a connection to the corporate resources.

Lower Internal IT Support Costs

Microsoft DirectAccess helps to lower the internal IT support costs for enterprises. In many companies, a majority of IT helpdesk support tickets are for users who have problems with various remote access technologies. With DirectAccess removing the user component from establishing connectivity, a majority of those cases can be avoided.

Easier Management of Corporate Endpoints

Windows Server 2012 DirectAccess provides an always managed functionality for corporate IT by making the managed DA corporate endpoints always manageable when they are connected. Through the bi-directional tunnel for management and access, patch rates can be increased and corporate policies better enforced for better peace of mind with IT administrators.

Cloud Edge Access Gateway – DirectAccess Series Appliance

Easier to Deploy

Iron Networks provides a turnkey, single-SKU solution for deploying Microsoft DirectAccess that is easy to acquire and deploy. The solutions are already sized and scoped for various user counts and tested and validated for DirectAccess deployments, cutting out time consuming engineering and testing work needed for software only deployments.

More Secure and Reliable

Iron Networks has optimized the Microsoft DirectAccess appliance for both security and reliability. Through creating a custom hardened and image with a reduced attack surface, enterprises can trust the URA-DA appliance series meets the most rigorous security standards.

Easier to Support and Maintain

Through unified hardware and software support, Iron Networks provides a single throat to choke solution that customers have come to expect from their remote access vendors. Iron Networks knowledgeable support team with years of experience in this technology, makes them an invaluable asset to the enterprises deploying DirectAccess, helping them rapidly solve challenges that arise.



Microsoft Cloud Edge Gateway (MCE) Series Appliance

Turnkey, Unified Remote Access and Multi-Cloud Connectivity Solution

COMPLETE REMOTE ACCESS SOLUTION FOR MODERN ENTERPRISES

Unified Network Remote Access, End-Point Security and Cloud Connectivity Gateway Platform

The IRON MCE series appliance platform powered by Microsoft Windows Server 2012 R2 based Unified Remote Access technologies is the most comprehensive solution in the market enabling both secure remote access and multi-cloud connectivity. It provides a broad set of enterprise-grade remote access technologies including advance networking, network security, BOYD application support and support for a wide variety of end-user devices including home PCs, laptops, tablets, PDAs and smart phones.

- ✓ Turnkey remote access solution based on Windows Server 2012 DirectAccess VPN Gateway, Web Application Proxy (WAP) Gateway, Unified Access Gateway (UAG), Remote Desktop Publishing (RDP) Gateway technologies
- ✓ Secures and Consistent Access for on-premises, remote and mobile users, customers and partners for application hosted on-premises, in private or public clouds
- ✓ Seamless user experience through variety of devices and BYOD application support
- ✓ Secure Site-to-Site VPN connectivity of corporate network to remote office branches, hosted clouds and public clouds
- ✓ Future-Proof, Secure cloud integration through granular access control, comprehensive end-point policy enforcement, auditing and monitoring.

MCE Platform Capabilities - Provide Access to a Variety of End-points

- **Secure Remote Access for Managed Desktops:** Microsoft DirectAccess provides an always-on, always-managed seamless remote access experience for remote managed corporate users utilizing the full power of Windows 7 Enterprise or Ultimate, or Windows 8 Enterprise end-points. DirectAccess allows network access for corporate computers that reside in remote locations such as a user's home or small remote office. These remote systems are centrally managed using the standard management technologies used by IT departments to manage local computers including: Active Directory GPO policies, patch management via Systems Center Operations Manager or other systems, internal DNS, and CIFS network shares.
- **Secure Remote Access for Unmanaged Desktops and Mobile Devices:** MCE with UAG SSL/VPN Pack utilize Microsoft's Unified Access Gateway 2010 (UAG) to provide remote access capabilities to unmanaged remote computers and devices such as home PCs, tablets, smartphones, and other consumer devices that are also accessed by non-employees. UAG provides reverse-proxy publishing to corporate services such as Outlook, Lync, SharePoint and most client/server based services through a single web portal.
- **Multiple Clouds and Remote Office Sites Connectivity:** MCE provides a complete Site-to-Site VPN, Multi-Cloud and Public Cloud connectivity gateway solutions. This solutions allows you to connect office sites with a secure and powerful IPSEC tunnel to your corporate resources or private or public cloud environment. Site-to-Site VPN is commonly deployed as WAN backbone links. When combined with routing protocols, VPN circuits can be deployed in mesh networks

Turnkey, Modular Platform

MCE Gateway SW Technology Packs

DirectAccess Primary Pack

- ✓ DirectAccess Remote Access, powered by Windows Server 2012 R2

Select One MCE Add-On Pack

DirectAccess Cloud Secondary Add-On Pack

- ✓ Microsoft Site to Site VPN, Remote Desktop Gateway and Azure Cloud Gateway, powered by Windows Server 2012 R2

Unified WAP/Cloud Access Add-On Pack

- ✓ Microsoft Web Application Proxy (WAP), Site to Site VPN, Remote Desktop Gateway and Azure Cloud Gateway, powered by Windows Server 2012 R2

Unified UAG SSL/VPN Access Add-On Pack

- ✓ Microsoft Unified Access Gateway (UAG), powered by Microsoft Forefront UAG Server 2010

Additional, MCE Option Packs

TMG Security Option Pack

- ✓ Microsoft Threat Management Gateway (TMG), powered by Microsoft Forefront TMG Server 2010

WAN Acceleration & QoS Option Pack

- ✓ Microsoft Threat Management Gateway (TMG), powered by Microsoft Forefront TMG Server 2010

Amazon Web Services Option Pack

- ✓ Supports private cloud to Amazon AWS public cloud secure end-to-end network connectivity



IRON Dual Server Cluster-in-a-Box HW Appliance

Microsoft Cloud Edge Gateway (MCE) Series Appliance

Turnkey, Unified Remote Access and Multi-Cloud Connectivity Solution

Product Specifications

	SME	Enterprise	Large Enterprise
	URA-2600D	URA-3600D	URA-5600D
Recommended Max Users	Up to 1,000	Up to 5,000	Up to 10,000
CPU	(1)Xeon E3 1240V2	(1)Xeon E5 2640V2	(2)Xeon E5 2640V2
Cache	8 MB	20 MB	20 MB
Total Cores	4	8	16
Memory	16GB	32GB	64GB
Memory Type	DDR3-1600	DDR3-1600	DDR3-1600
HDD	(2)500GB SATA	(3)600GB SAS	(3)600GB SAS
RAID	1	1	1
Hotswap Drives	No	Yes	Yes
Hot Spare	No	Yes	Yes
1GbE NIC	6	4	4
10GbE NIC	0	4	4
PWS	(1) 250W	(2) 495W Hotswap	(2) 495W Hotswap
LOM	Yes	Yes	Yes
Form Factor	1U Rack	1U Rack	1U Rack
Dimensions (H x W x L)	1.7" x 17" x 15.5"	1.7" x 19" x 30.4"	1.7" x 19" x 30.4"
DOM w/Backup OS	4GB	4GB	4GB
Custom Console	Yes	Yes	Yes

Iron Networks Remote Access Appliance Support and Deployment Services

IRONClad Expedited Support Services:

Iron Networks offers three levels of support services depending on the business need and budget. Support services can be purchased in 1, 2, or 3 year increments, and renewed under standard support up to 5 years. The packages are comprehensive and our team of seasoned support representatives provide customers with a single-throat to choke for their complex security and remote access needs.

- Silver Support Package: advanced hardware replacement only
- Gold Support Package: hardware replacement and 8x5 helpdesk support
- Platinum Support Package: advanced hardware replacement and 24x7 helpdesk support

More information about Iron Networks Support Plans can be found here:

www.ironnetworks.com/supportSLA

Deployment & Consulting Services

Iron Networks offers deployment and consulting services to ensure that the advanced remote access appliances are deployed correctly and efficiently for every type of scenario. These include basic rack and stack deployment services and appliance configuration, architecture consulting, and advanced customization work. More information on Iron Networks professional services can be found here:

www.ironnetworks.com/support/professional-services

Microsoft Cloud Edge - DA PopUp Pilot Services

The DirectAccess PopUp Pilot was specifically designed to remove deployment blockers preventing DirectAccess adoption by creating a simple, packaged pilot program on an appliance with a set of service deliverables at an affordable price point. Customers taking advantage of this program will be able to complete a DirectAccess POC in a fraction of the time and cost that these projects normally run.

For more information on the DirectAccess PopUp Pilot please go here: www.ironnetworks.com/dapopup

MCE DirectAccess Features

- Automatically connects user to corporate resources when on internet
- Ability to manage remote endpoints by IT admins
- Two way tunneling for management and access
- Secure IPSEC encrypted tunnel using IPv6
- Native support for OTP and Multi-factor
- Deployable behind firewall or NAT device
- Multi-Site deployment support with DA endpoints accessing closest site

Appliance Features

- Performance tuned and optimized
- Security hardened, reduced attack surface
- Custom Appliance management Console
- Backup and snapshots partition
- Factory Image default restore
- Scalable with NLB load balancing or external load balancing
- "Lights-Out" appliance management

Prerequisites

- Windows 8 Enterprise or...
- Windows 7 Enterprise or Ultimate
- Domain joined clients
- Active Directory
- Edge or DMZ
- PKI Optional
- No IPv6 Required-includes translation technologies

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