

MCS Access Series Connection Quality Testing Solution

Overview

MyConnection Server delivers a unique solution to test the quality of any network connection and uncover network errors that impact network performance and application response.

The MyConnection Server Access Series technology delivers an automated and managed testing platform that definitively identifies connection problems, both intermittent and persistent, that cause interruptions to data flow resulting in a poor customer experience.

Requirement summary

A MyConnection Server license on a supported Windows, Linux, MAC OSX platform with a current Java JVM.

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Access Series Portable Appliances Access Cloud Server Rack Mount Appliances



The MCS Access Series solution provides a secure, low cost platform that accurately measures network quality and performance 24x7, delivering an ideal solution for:

- **Field engineers** focused on resolving onsite customer problems or validating new installations. The Access Series devices deliver off platform testing, isolate interference and eliminate risks from use of customer hardware.
- **Quality assurance** of critical network connections - delivers automated quality testing for multiple connections from a single network edge 24x7.
- **Customer self-assessment** problem identification delivers connection quality and performance testing directly to the customers desktop.
- **Pre-qualification** of connections for new customer deployments - delivers a non-invasive automated solution to validate customer network quality and performance prior to a new application rollout.
- **Secure** public domain deployment - delivers a testing platform void of an operating system, eliminating security risks associated with conventional PC/server solutions.
- **Dual Core multi-port architecture** delivers a single appliance that independently connects 2 network edge points and provides individually managed platforms that cannot be bridged. This supports network measurement to detect and isolate the source of quality problems.

MCS Access Series Appliance Models

PORTABLE APPLIANCES

AccessCT2 100Mbps Portable Client Appliance

AccessCXT 1Gbps Portable Client Appliance, 1 or 2 Ports

AccessCM2 100Mbps Portable Server/Client Appliance, 1 or 2 Ports

AccessCXM 1Gbps Portable Server/Client Appliance, 1 or 2 Ports

RACK MOUNT APPLIANCES

Access Cloud Server Rack Mount Appliance, 2, 4 or 6 Ports

Linux Server Add-on option for Rack Mount Appliances



ASA150715R11

MCS Access Series Connection Quality Testing Appliance Specifications

MCS Access Series Quality Test Appliances ¹									
DEVICE TYPE	FUNCTION	MAX THROUGH-PUT	PORTS	SIZE	POWER SUPPLY	PoE	NETWORK ²	CPU	MEMORY
ACCESS SERIES PORTABLE APPLIANCES³									
AccessCT2 Portable	Testing Client	100 Mbps	1	11.8cm W x 8.5cm D x 2.8cm H	5 - 15V (min 2.5W) on 2.1mm jack (center pin positive). USB power supported.	No	Fully compliant to IEEE 802.3u Auto-negotiation for 10Base-T/ 100BaseTX, Full or Half Duplex.	80MHz	512kB internal high speed flash memory 64kB internal high speed static RAM
AccessCXT Portable⁴	Testing Client	1 Gbps	1, 2	10.2cm W x 14.6cm D x 3.5cm H	+6 to +21V (min 2.5W) on 2.1mm jack (center pin positive).	Yes	Auto-negotiation for 10Base-T/ 100BaseTX/, Full or Half Duplex and 1000Base-T Full Duplex.	533MHz Dual core QoriQ	64MB Flash memory, 256kB internal high speed static RAM 512MB external DDR3 RAM
AccessCM2 Portable⁴	Testing Server & Client	100 Mbps	1, 2	10.2cm W x 14.6cm D x 3.5cm H	+6 to +21V (min 2.5W) on 2.1mm jack (center pin positive).	Yes	Auto-negotiation for 10Base-T/ 100BaseTX, Full or Half Duplex.	533MHz Dual core QoriQ	64MB Flash memory, 256kB internal high speed static RAM 512MB external DDR3 RAM
AccessCXM Portable⁴	Testing Server & Client	1 Gbps	1, 2	10.2cm W x 14.6cm D x 3.5cm H	+6 to +21V (min 2.5W) on 2.1mm jack (center pin positive).	Yes	Auto-negotiation for 10Base-T/ 100BaseTX/, Full or Half Duplex and 1000Base-T Full Duplex.	533MHz Dual core QoriQ	64MB Flash memory, 256kB internal high speed static RAM 512MB external DDR3 RAM
ACCESS CLOUD SERVER 1U RACK MOUNT APPLIANCES									
Access Cloud Server Rack Mount	Testing Server & Client	1 Gbps	2, 4, 6	44cm W x 38cm D x 4.4cm H	External supply 120/220V; Internal 0.2A-0.4A	No	Auto-negotiation for 10Base-T/ 100BaseTX/, Full or Half Duplex and 1000Base-T Full Duplex.	533MHz Dual core QoriQ	64MB Flash memory, 256kB internal high speed static RAM 512MB external DDR3 RAM
Optional Integrated Linux Server	MyConnection Management Server	1 Gbps	N/A	N/A	External supply 120/220V; Internal 12-13V 8.3Amps	No	Controller: VT6130 PCIe Gb Ethernet; Hard drive: 500GB SATA	1.0GHz VIA QuadCoreE	DDR3 1333 SODIMM 4GB

- 1 Access Series appliances support the following Network Tests: MySpeed + TCP Data Flow Quality, MyVoIP, MyRoute, MyCapacity UDP, MyVideo, MCS Monitor DNS, HTTP, Ping, FTP.
- 2 All appliances are fully compliant to IEEE 802.3u. Auto MDI/MDI-X eliminates the need to differentiate between crossover and straight-through cables.
- 3 Portable device LED indicators: Power/state, Link/Rx activity, DHCP/Tx activity for each interface.
- 4 AccessCM2/CXT/CXM are upgradeable in one or both of the following options: 100Mb to 1Gb; 1-Port to 2-Port

Access Series devices are manufactured in USA.