MCS Network Connection Satellite Quality 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 Hard NCS 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.

The MCS Hard NCS 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 using customer hardware.

- **Secure** public domain deployment - delivers a testing platform void of an operating system, eliminating security risks associated with conventional PC/server solutions.

- **Customer self-assessment** problem identification delivers connection quality and performance testing directly to the customer's desktop.

- **Pre-qualification** of connections for new customer deployments - delivers a non-invasive automated solution to validate customer network quality and performance before a new application rollout.

- **Quality assurance** of critical network connections - delivers automated quality testing for multiple connections from a single network edge 24x7.

- **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 NCS Appliance Models

Portable	Rack-mount
NCS CXM 1Gbps Portable Server/Client Appliance 1-2 Ports	**NCS Cloud Server** 1U Rack Mount Appliance 2, 4, 8, 12 or 16 Port configurations

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MCS Network Connection Satellite Appliance Specifications

Device Type	Function	Max Through put	Ports	Size	Power Supply	PoE	Network	CPU	Memory
NCS Portable Appliances									
NCS CXT/CXM	Testing Client and/or Server	1 Gbps	1-2	10.2cm Wx 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 1000 Base-T Full Duplex	533Mhz Dual Core QorIQ	64MB Flash memory, 256kB internal high speed static RAM 512MB external DDR3 RAM
NCS Cloud Server Rack-Mount Appliances									
1U Rack-Mount	Testing Server and Client	1 Gbps	2, 4, 8, 12, 16	44cm W x 38cm D x 4.4cm H	External supply 120/220V; Internal 0.2A-0.4A	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

NCS appliances support the following MyConnection Server Network Tests: MySpeed + TCP Data Flow Quality, MyVoIP, MyCapacity UDP, MyFirewall, MyRoute, MCS Monitor DNS, HTTP, Ping, and FTP.

All appliances are fully compliant with IEEE 802.3u. Auto MDI/MDI-X eliminates the need to differentiate between crossover and straight-through cables.

Portable device LED indicators: Power/state, Link/Rx activity, DHCP/Tx activity for each interface.

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