PANDUIT™
NETWORK CONNECTIVITY GROUP

DISCOVER DISCOVER DISCOVER

the **PANVIEW™** Solution

EFFICIENCY · RELIABILITY · SECURITY · EFFICIENCY · RELIABILI

PHYSICAL LAYER MANAGEMENT SYSTEM

CISCO SYSTEMS
Service Provider
Solution Partner

PANVIEW™

Discover

NetFrame™ Rack System

Changes to your patch fields instantly triggered an alert message?

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Any changes were instantly recorded into your patch field database, ensuring 100% accuracy day or night?

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Network assets could be automatically identified by type and physical location — Giving you the ability to see what is connected and where?

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You could graphically look at the whole link — end to end, to eliminate any uncertainty about any connection?

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You could electronically plan, prioritize and assign all moves, adds and changes, document the status of each, guide the technician through the changes using LEDs on patch panels, record the time needed to complete the task, and automatically update the database to reflect the new configuration?

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You could do all this on-site at your management station?

Now you can.

PANVIEW™

Network Reliability, Security and Efficiency.

Structured Cabling is the foundation of your network and patch fields are the heart of your structured cabling system. A single patch cord disconnection can bring critical segments of the network down, provide an unimpeded source for a breach in network security or decrease the efficiency of the network exponentially. Without an on-line physical layer management system, those same patch fields are virtually invisible in your network management system.

The Pᴀɴ Vɪᴇᴡ system, through its innovative use of scanners, enabled patch panels, reliable patch cords and software, provides real-time monitoring of physical layer connectivity. This system provides networks with greater reliability, improved security, better efficiency and greater savings. From financial firms to logistic and manufacturing firms, network reliability is essential. This system with its capabilities of monitoring and protecting these connections 24 hours a day, 7 days a week, 365 days a year, is a must. The Pᴀɴ Vɪᴇᴡ system not only meets these criteria, it takes network management to the next level by providing the accurate, real-time information necessary to manage the physical layer in today's world.

Real-Time and Real-

The PANVIEW™ system, through its continuous scanning process, provides the user with real-time end-to-end documentation of their physical layer. Movement of a patch cord instantaneously triggers an alert message at the management station. However, the PANVIEW system takes reliability a step further by ensuring that your patch field database is 100% accurate day or night. The continuous scanning process in the PANVIEW system allows the management software to continually verify the accuracy of the database, providing the user with a real-time picture of the patch field.

Today's networks handle millions of bytes of sensitive information everyday. Whether it is information pertaining to a large financial transaction a company is making or an individual customer placing an order, confidentiality and security is imperative. Using the PANVIEW system helps improve your network security.

The most powerful way to improve network security is through the PANMAP™ module, which uses leading edge technology to identify and track asset movement throughout the network. It then shows these assets in the appropriate locations within the database — giving the user the ability to see what is connected and where.

PHYSICAL LAYER MANAGEMENT SYSTEM

Efficiency

Responding quickly and efficiently to user requests for service changes is often a challenge. Network Administrators and Technicians spend significant amounts of time planning and executing the process. Even then, mistakes happen. The wrong patch cord is accidentally disconnected or the right cord ends up in the wrong port causing even greater confusion. The *PANVIEW*™ system eliminates this problem with two software modules, the Link Module and the Work Order Module.

Link Module

The Link Module allows the administrator to graphically view the entire link from the management station. It also allows for changes to be made to any link in the system with just a few clicks of the mouse button.

Work Order Module

With the Work Order Module, the Network Administrator can plan, prioritize, and assign all of the moves, adds, and changes in the system. The system then documents the status of the work order, guides the technician through the changes using LEDs on the patch panels, records the time needed to complete the task, and automatically updates the database to reflect the new configuration.

Network assets, from switches and patch panels to computers and software, are expensive. Making sure that your system optimizes the use of these assets can be a formidable task. Quite often it is easier to purchase a new piece of equipment than it is to reclaim an existing one.

Utilization Module

The *PANVIEW*™ system solves this by keeping a database of switch port usage. The system makes reclaiming network capacity as simple as the click of a few buttons. And if your system approaches a capacity limitation, *PANVIEW*'s Utilization Report provides complete details.

The *PANVIEW* system provides invaluable benefits for customer networks in the form of greater reliability, improved security and better efficiency. A customer specific return on investment (ROI) model provides step-by-step guidance to answering these questions.

Normal Network Asset Utilization over time

100%

Network Asset Utilization

Network Operations with *PANVIEW*

Network Asset Savings generated by *PANVIEW*

Network Equipment

Network Operations without *PANVIEW*

Life of the Network (years)

For feasibility study assistance contact *PANDUIT®* at 866-405-6654.

PHYSICAL LAYER MANAGEMENT SYSTEM

PANVIEW™

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I. Software

The PANVIEW software is based on client/server architecture, and provides valuable information in an easy to use format. The software ensures the information is 100% accurate by automatically updating the database whenever there is a connectivity change. It has several different modules that allow single user changes or complete department moves with just a few clicks. In addition, the software provides seamless integration into select network management programs, documents asset utilization, and tracks the movement of network assets using the PANMAP™ module.

II. PANVIEW Scanners

PANVIEW electronic scanners are the connectivity data collectors of the PANVIEW system. The scanners monitor on-site patch panel connectivity, and provide real-time information on the status of all network connections monitored by the system. The PANVIEW system includes both Master and Satellite Scanners. Scanners are mounted in racks in the telecommunication room at various sites adjacent to enabled patch panels.

III. Enabled Patch Panels, PANVIEW Patch Cords and Accessories

PANVIEW Enabled Patch Panels perform two functions in the telecommunications room. Their primary facilitates data transfer throughout the network. However, by adding a circuit board and an additional connectivity point to the panel design; they become an integral component of the PANVIEW physical layer management system.

Each patch panel is connected to the scanner through an attachment cord. This cord allows the scanner to transmit and monitor the status of the connectivity. An additional contact in the PANVIEW patch cord plug provides the connection to close the loop between connected ports making a complete circuit for the scanners to monitor. The scanners then collect all the connectivity information and report it over the LAN to the network management station running the PANVIEW software. There are LEDs above each patch panel port that guide the technician through patch cord changes. A blinking LED indicates that the patch cord should be disconnected, while a solid LED indicates that the patch cord should be connected.

The Accessory Controller enables the PANVIEW Management Station to monitor the status of various sensors and activate remote-controlled devices. A change in status to any of the connected sensors (e.g. temperature) is immediately noted and sent to the PANVIEW Management Station through the Accessory Controller. The control pad is a portable handheld device that is connected to the first scanner in each room. It allows the person performing the MAC to begin the process under the guidance of the LEDs above each port.

III. Enabled Patch Panels and
PANVIEW™ Patch Cords

II. Scanners

Switch

I. Software

PANVIEW
Management
System

Work Station

PHYSICAL LAYER MANAGEMENT SYSTEM

PANVIEW ™

PᴀɴVɪᴇᴡ™ Scanners

PVMSO

PVSSO

PART NUMBER	DESCRIPTION	NO. OF RACK SPACES^	STD. PKG. QTY.	STD. CTN. QTY.
PVMSO	Master Scanner	2	1	1
PVMSEO	Master Scanner with extended memory	2	1	1
PVSSO	Satellite Scanner	1	1	1
PVSSEO	Satellite Scanner with extended memory	1	1	1

^ One rack space = 1.75" (44.45mm)

PᴀɴVɪᴇᴡ Patch Panels

PVEDP246B

PART NUMBER	DESCRIPTION	NO. OF RACK SPACES^	STD. PKG. QTY.	STD. CTN. QTY.
PVEDP246B	Cat 6 24 port UTP patch panel	1	1	1

^ One rack space = 1.75" (44.45mm)

PᴀɴVɪᴇᴡ Patch Cords

PVUTPCTG7BBU

PART NUMBER	DESCRIPTION	LENGTH	COLOR	STD. PKG. QTY.	STD. CTN. QTY.
PVUTPCTG3BBU	Cat 6 UTP patch cord	3 ft.	Blue	1	10
PVUTPCTG5BBU		5 ft.	Blue	1	10
PVUTPCTG7BBU		7 ft.	Blue	1	10
PVUTPCTG9BBU		9 ft.	Blue	1	10
PVUTPCTG14BBU		14 ft.	Blue	1	10
PVUTPCTG20BBU		20 ft.	Blue	1	10

PanView™ Accessories

PVACSC

PVCP

PART NUMBER	DESCRIPTION	NO. OF RACK SPACES^	STD. PKG. QTY.	STD. CTN. QTY.
PVACSC	Rack Mount Accessory Controller	1	1	1
PVCP	Control Pad	—	1	1
PVFACB1.5M	1.5 meter Attachment Cord	—	1	10
PVFACB2.5M	2.5 meter Attachment Cord	—	1	10
CORD-S*	US Power Cord (one required per scanner)	—	1	1

^ One rack space = 1.75" (44.45mm)
* International power cords are also available.

PanView Software

PVSCP

PART NUMBER	DESCRIPTION	FORMAT	STD. PKG. QTY.	STD. CTN. QTY.
PVSCP	PanView Core Software	CD ROM	1	1
PVSAMM	PanView Asset Management Software	CD ROM	1	1
PVSWOM	PanView Work Order Module	CD ROM	1	1
PVSAUC	PanView Core Software Additional User	CD ROM	1	1
PVSAUWOM	PanView Work Order Module Additional User	CD ROM	1	1

For installation design and technical assistance contact PANDUIT® at 866-405-6654 or your authorized PanView Systems Integrator.

PHYSICAL LAYER MANAGEMENT SYSTEM

PanView™

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