

# Cabling

PennWell

SUBSCRIBE

> e-Newsletter

> Magazine

SEARCH

Advanced

▼ advertisement ▼

Home | Current Issues | News | Webcasts | White Papers | 10GbE Testing | Contractor Directory | Events | Buyers Guide | Media Info

## Cabling Installation & Maintenance

### Flexible racks meet military media center specs

Thirty-eight Stantron Broadcast Rack equipment racks from APWMayville ([www.stantronracks.com](http://www.stantronracks.com)) were recently installed at the Soldiers Media Center in Arlington, VA, which produces numerous news and public affairs programs for military personnel around the world. The Center distributes its information through the American Forces Network via IP and satellite, and to public access cable television.

The flexible Stantron racks house video and audio routers, satellite receivers, Avid server components, patching, camera control and switching electronics, and a variety of recording, playback, and duplication equipment. Installed by Professional Products Inc. of Gaithersburg, MD, 26 of the racks were deployed in the main broadcast technical core, six in the IT portion of the technical core, three in the studio control room (pictured), and three in the video dub room.

 [SAVE THIS](#)

 [EMAIL THIS](#)

 [PRINT THIS](#)



▼ advertisement ▼

### Utilizing Fiber Optics with Data Center Copper Electronics

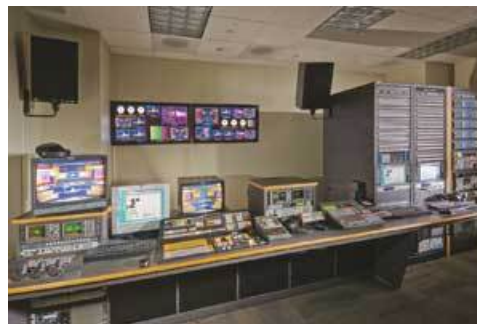
August 1, 2007 | 12:00PM CDT

CLICK  
HERE

Webcast Sponsors:

CORNING

TRANSITION  
NETWORKS



Click here to enlarge image

*Flexibility in the design of Stantron racks from APWMayville enabled a smooth installation at the Soldiers Media Center in Arlington, VA, where 36 customized units house everything from video routers and satellite receivers to camera control and switching electronics.*

"The integration of a patchbay cabling system, as requested by Soldiers Media Center, places extreme importance on cable management throughout the technical core," explains Steve Losquadro, director of project management for Professional Products. "The 36-inch depth of the Stantron racks, along with customized two-inch wooden furring strips that were a special customer request, afforded our integrations team with the flexibility and room to properly run cables inside and between racks, and ensure that the equipment could be properly cooled, maintained, and re-engineered after we left the site."

▼ advertisements ▼

### AMP NETCONNECT

Data Center Solutions



48 ports -  
less than 15 minutes



72 fibers -  
less than 30 seconds

Save time, space,  
*and power*  
with our low-profile,  
pre-terminated and  
pre-tested copper  
and fiber optic  
data center products

 Tyco Electronics



(800) 553-0938  
[www.ampnetconnect.com](http://www.ampnetconnect.com)

The furring strips were secured into notches on the sides of the racks and, Losquadro says, "this provided the two-inch gap between each rack in the technical core that helped us meet our integration challenges."

Added Jim Hatcher, Professional Products CTO, "the ability to use these racks in the IT portion of the technical core, which typically uses specialized racks to accommodate servers and data routing equipment, was another bonus."

APWMayville delivered the racks with solid side panels for the end of each rack row, copper bus ground bars, and solid rear doors that are designed to create environmental security-moving cool air through the racks to maintain an ideal operating environment for the Media Center's active equipment.

## Wireless Gigabit Ethernet on-the-fly

New technology in BridgeWave Communications' ([www.bridgewave.com](http://www.bridgewave.com)) line of 100-Mbits/sec wireless links now let you upgrade in the field to Gigabit Ethernet simply by activating a web-enabled software key.



[Click here to enlarge image](#)

*BridgeWave's FE80U and FE80XU point-to-point bridges now incorporate software-based technology that enables an upgrade from 100-Mbits/sec network capacity to full Gigabit Ethernet bandwidth as needs grow*

Both the FE80U and FE80XU point-to-point bridges, when at Gigabit Ethernet speeds, include the company's proprietary AdaptRate technology that switches capacity from Gigabit Ethernet to 100 Mbits/sec transmission to provide continuous operation, even during intense downpours.

"It's now possible to extend network capacity to full Gigabit Ethernet bandwidth without time-consuming and expensive hardware upgrades," says Gregg Levin, BridgeWave's senior vice president and chief marketing officer. The bridge technology, Levin adds, "enables enterprise users to start out with highly economical 100-Mbits/sec capacity and then upgrade to full Gigabit Ethernet rates as bandwidth needs grow."

Designed as a "future-proof" alternative to traditional 100-Mbits/sec, 18 to 38-GHz links, the point-to-point bridge technology can provide unlimited frequency re-use in the 80-GHz licensed spectrum.

*Cabling Installation & Maintenance* July, 2007

**Author(s)** : Steve Smith

## Single-port Midspans

In stock.



15.4W PSA16U \$29.95

19.6W POE20U \$34.95  
gigabit compatible,  
Cisco legacy.

30W POE30U \$39.95  
gigabit compatible



Data Center World®  
The Leading Educational Resource  
for Data Center Professionals

SEPTEMBER 16-19, 2007  
DALLAS, TEXAS



FOR MORE INFO, LOG ON TO  
[WWW.DATACENTERWORLD.COM](http://WWW.DATACENTERWORLD.COM)

[Looking for more news and information? Search our archives. Click Here!](#)

Interested in a subscription to Cabling Installation & Maintenance Magazine?  
[Click here](#) to subscribe!

[Return to Previous Page](#)

### Webcasts



***Heat Generation and Cooling Efforts in the Data Center***  
August 22, 2007



***Utilizing Fiber Optics with Data Center Copper Electronics***

Original broadcast on  
August 1, 2007



***Data Center Management and Administration***

Original broadcast on  
July 11, 2007



[more](#)

### Sponsored White Papers Library

#### Recently Added White Papers

**Fiber Optic Connector 3D Metrology**

(07/23/2007, PROMET International, Inc.)

**Polarization Mode Dispersion** (02/05/2007,

Agilent Technologies Inc. )

[more](#)

#### Featured White Papers



**Polarization Mode**

**Dispersion** (02/05/2007)

[more](#)

advertisement



[Home](#) | [About Us](#) | [Contact Us](#) | [Corporate Website](#) | [Privacy Policy](#) | [Courage and Valor Foundation](#) | [Site Map](#)

[XML](#) [RSS](#) | [View all PennWell sites](#) | [View all PennWell events](#)

**Also Visit:** [Surface Mount Technology](#) | [Lightwave](#) | [Connector Specifier](#) | [Vision Systems Design](#)

Copyright © 2007: PennWell Corporation, Tulsa, OK; All Rights Reserved. | [Terms & Conditions](#) | [Webmaster](#)