

Fiber To The Desk
Voice & Data - Power-over-Ethernet
Access Control & Video Surveillance



GOVERNMENT



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As High Security Enterprises, Military, Government Agencies and Municipals become more net-dependent, their primary concern becomes protecting their information. As a result, most agencies are choosing fiber optic cabling to ensure superior data security. This is because copper cabling is generally easy to tap without being detected by a network management application. Any attempts to tap into fiber cabling, however, would involve a link-loss accompanied by traps that are sent by the network management system (NMS).

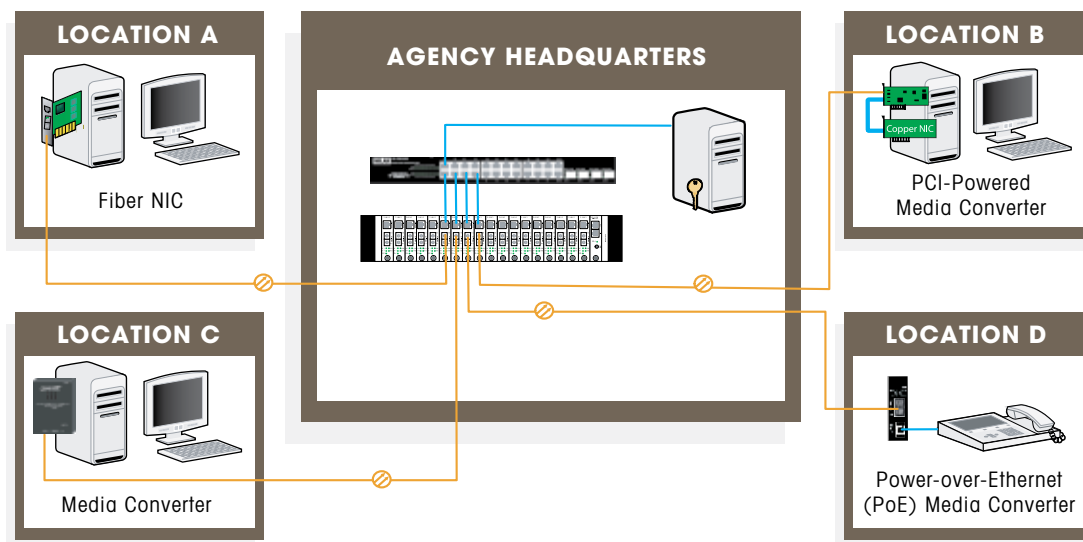
Transition Networks offers a variety of high-density chassis-based copper-to-fiber products for connecting fiber cabling to existing copper port switches. Using stand-alone or PCI-powered media converters can help foster cost-effective fiber migration to the desktop for voice over IP (VoIP) applications or existing copper network interface cards (NICs). A wide range of fiber optic NICs are also available for a more direct fiber-to-the-desk (FTTD) connection. All of these products are backed by a lifetime warranty and free around-the-clock technical support to ensure a cost-effective fiber environment.

FIBER TO THE DESK (FTTD)

Fiber to the desktop is not only more secure than copper cabling; it can also generate higher signal quality while supporting higher speeds, and feature-rich applications. Transition offers a complete portfolio of packet-based fiber NICs, Media Converters, and Switches that help reduce the cost of fiber integration. Many of these products have been used specifically for protecting against possible cable emission leaks in government agency infrastructures.

Government, Military & High-Security Enterprise Applications

- Stop TEMPEST security concerns by eliminating the simple eavesdropping and compromising emissions typical in copper cabling
- Eliminate the risk of wire tapping your network by integrating fiber optic cabling
- Connect fiber directly to the desktop or laptop for (FTTD) via fiber NIC, stand-alone media converter or PCI-Powered media converter
- Use fiber optics for increased performance, bandwidth, and durability
- Fiber is non-conductive and is immune to lightning strikes, fire or explosion
- Transition's products can be used as an extension to the infrastructure modification (IMOD) program



Fast Ethernet & Gigabit Ethernet NIC Cards

Our fiber NICs allow for a simple integration when/wherever fiber can be found at the desktop. With Transition's line of Fast Ethernet and Gigabit Ethernet NICs—users will gain the benefits associated with deploying fiber optic cabling within the LAN environment. This includes expanded bandwidth capacity and the increased data security, that is associated with delivering fiber directly to the desktop. With both standard and low profile form factors; driver support and PCI 2.2 plug-and-play capability; installation is a breeze in virtually any PC in your network. Transition also has PCIe adapter network Interface cards to be able to maximize bandwidth and bus efficiency while lowering power consumption. In addition, Transition's PCMCIA cards and express cards provide a 100Base-FX fiber port for delivering fiber optic connectivity to any laptop. These cards are offered in a high-performance 32-bit CardBus version to match virtually any laptop PC and help save money by eliminating the need for a docking station and a fixed, fiber NIC.

Media Conversion

NIC's work well in a new development, but they can be very time consuming in retro-fitting existing installations. As an alternative to installing a fiber optic network card (NIC) in every PC/workstation within an agency or organization—Media Converters can be a cost-effective alternative. Transition's Media Converter can range from a simple device that converts copper to fiber to a more advanced feature rich, managed device. These advanced features include: Last Gasp, Far End Fault (FEF), Link Pass Through (LPT), Transparent LPT, Auto-negotiation, autocross (MDI/MDIX), and Automatic Link Restoration. Each of these feature sets are specifically designed to reduce implementation time and to identify faults in more intelligent devices with trapping capabilities or alarms.

PCI Powered Media Converters - Hybrid Solution

Deliver low cost, fiber optic connectivity directly to your desktop without replacing your existing copper NIC card. These full-featured PCI powered media converters are designed to install directly inside a workstation or file server and mount into any slot on a standard PCI. No configuration is required; making installation a breeze. Since power is drawn directly from the PCI slot, no additional power supply is needed.

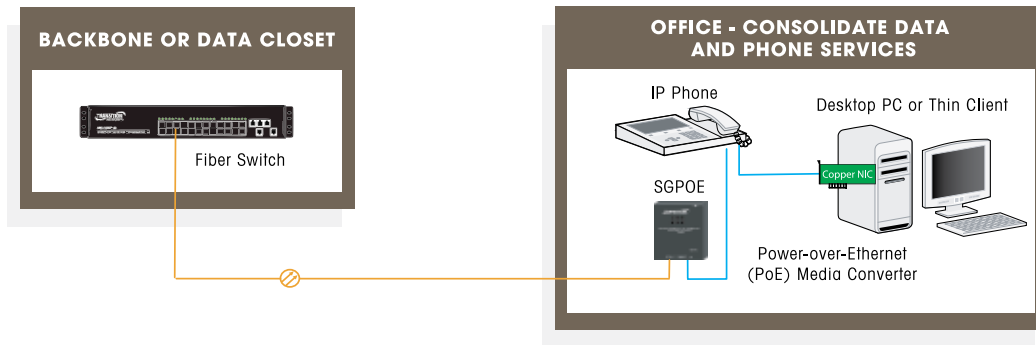


SFP TO THE DESK

Transition Networks SFP's are small form factor, hot-pluggable transceivers which allow for a single piece of network equipment to be connected to a multitude of interfaces, protocols, and transmission media via the SFP port. SFP's offer a cost effective and flexible means to accommodate for network modifications and growth, while still using existing network devices. Transition SFP modules are compatible with all Cisco & HP SFP-based routers and switches, and are also recognized by the Cisco IOS as a plug and play fiber module. All Transition SFP's are available in a range of speeds and distances.

VOICE & DATA (VOIP)

Transition's PoE converters and switches are a perfect fit for VoIP solutions. PoE devices are built for enterprises and government agencies that are looking to reduce the cost of deploying next generation unified and secure communication applications over fiber.



Power-over-Ethernet (PoE) Switches & Media Converters

‘combine
power and
data...’

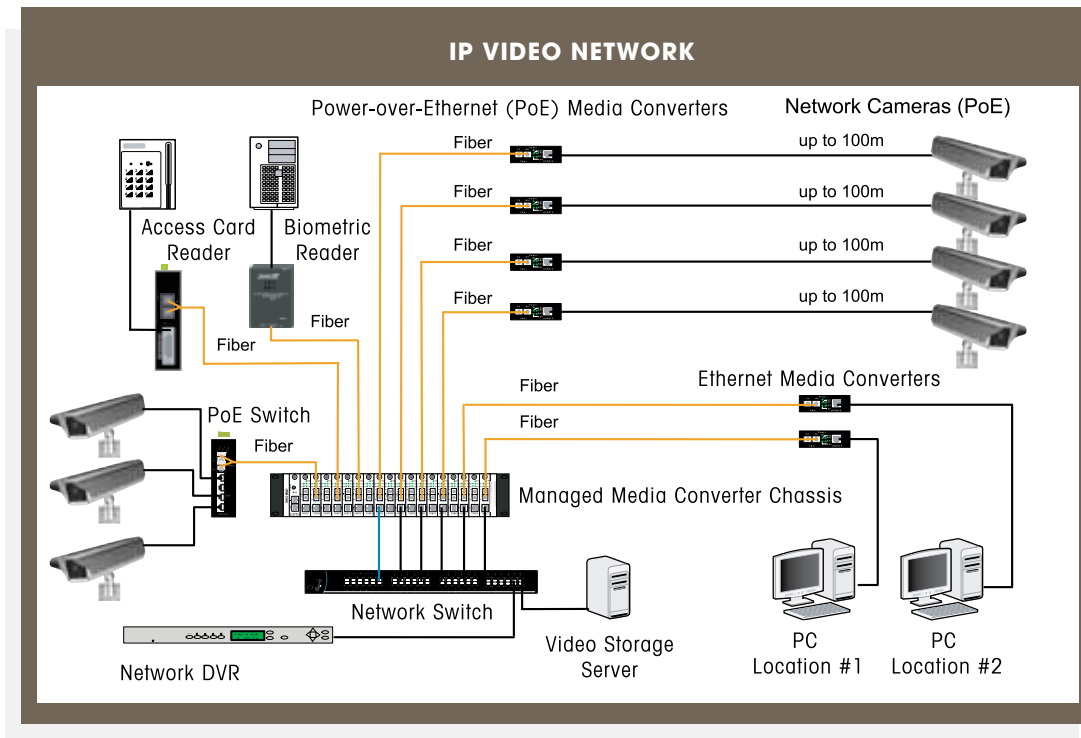
Transition's full line of feature rich Power-Over-Ethernet (PoE) products provide power over the Ethernet cabling, while easing installation and power location concerns, which enables your network to have the intended flexibility and scalability to expand and grow. Transition's PoE Switches and Media Converters combine the power and data on one cable - eliminating the need for any additional power cable runs to security cameras, wireless access points, or IP phones. Transition's managed PoE switches also address energy efficiency with software that allows the switch to go into a "Green" low power mode when ports are inactive or are drawing a diminished load.

Advanced Features

Transition Network's PoE converters have a feature called Power Device Reset, which occurs after a link loss. Most VOIP phone management systems will need to have a constant link to communicate with an IP phone and after a link loss, a handshake will need to be re-established. Typically this would have to be done manually with most devices, however our power device reset capability after link loss allows you to reconnect without manually reconfiguring the device. QoS and security issues are also paramount considerations for military networks. Our secure technology solutions are an ideal choice to enhance your network security architecture.

ACCESS CONTROL & VIDEO SURVEILLANCE

With the growth of security systems for government and business applications, the need for distance extension has become a common design issue. The options for distance extension are varied and care needs to be taken when making a decision because the integrity of your security system comes into play. This is because data security and video quality are both affected by distance and the media used to extend that distance.



Access control has also advanced beyond gates and locks. Soon, it will advance beyond copper, too. Access control now includes IP-based technology innovations such as keypads, biometrics, smart cards, and radio frequency over Ethernet networks.

Advanced access control systems offer unprecedented security. But, they also transmit complex, precise information that requires additional management control. Traditional rapid serial interfaces and terminal blocks can't accommodate the bandwidth requirements or the extended distances for comprehensive access control.

Standardized Ethernet allows you to operate your IP video cameras like you would a laptop or switch – just plug and play. Transition Networks specializes in copper-to-fiber media converters, so you can support your access control devices and IP camera's on the same cabling that provide network connectivity.

**'just plug
and play.'**

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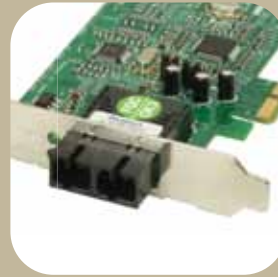
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Fiber Switching



Hot-Pluggable SFPs



Fiber NICs



PoE

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