TrueNet®

Capabilities Overview

End-to-End Enterprise Solutions

Enterprise Applications Infrastructure

Building for Bandwidth

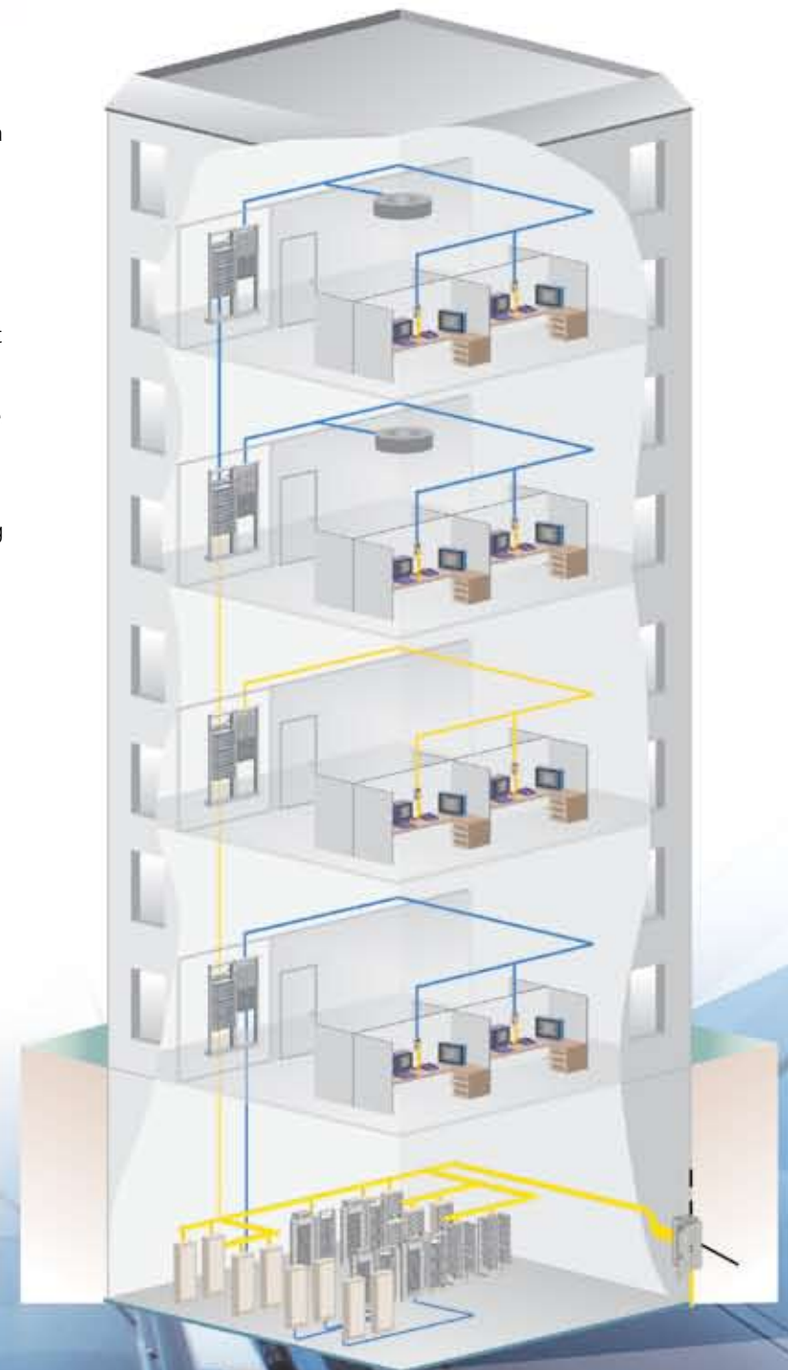
In large and small organizations around the world the need for more bandwidth is straining networks and data centers. From businesses to schools, and hospitals to government agencies, new technologies and advanced business requirements mean rethinking your entire enterprise infrastructure. At ADC, we call it *building for bandwidth*.

Indeed, many of the applications below didn't even exist just a few years ago:

- ❒ Voice over IP
- ❒ Security
- ❒ Wi-Fi
- ❒ Video Conferencing
- ❒ Intelligent Buildings
- ❒ RFID
- ❒ SAN
- ❒ Regulations Compliance
- ❒ Sarbanes-Oxley
- ❒ Disaster Recovery
- ❒ Complex Data Modeling
- ❒ Real-Tme Data Processing
- ❒ E-mail Archival

Today, however, these are the applications that are driving the growth explosion for more bandwidth. And more applications are on the horizon:

- What applications will you be asked to deliver?
- How will you continue to maintain your network's high-reliability?
- How flexible does your network need to be?
- How will you measure cost vs. performance?



“ADC is committed to the enterprise market as a complete solutions provider for multi-national organizations around the globe.”

Pat O'Brien, President
ADC Global Connectivity Solutions

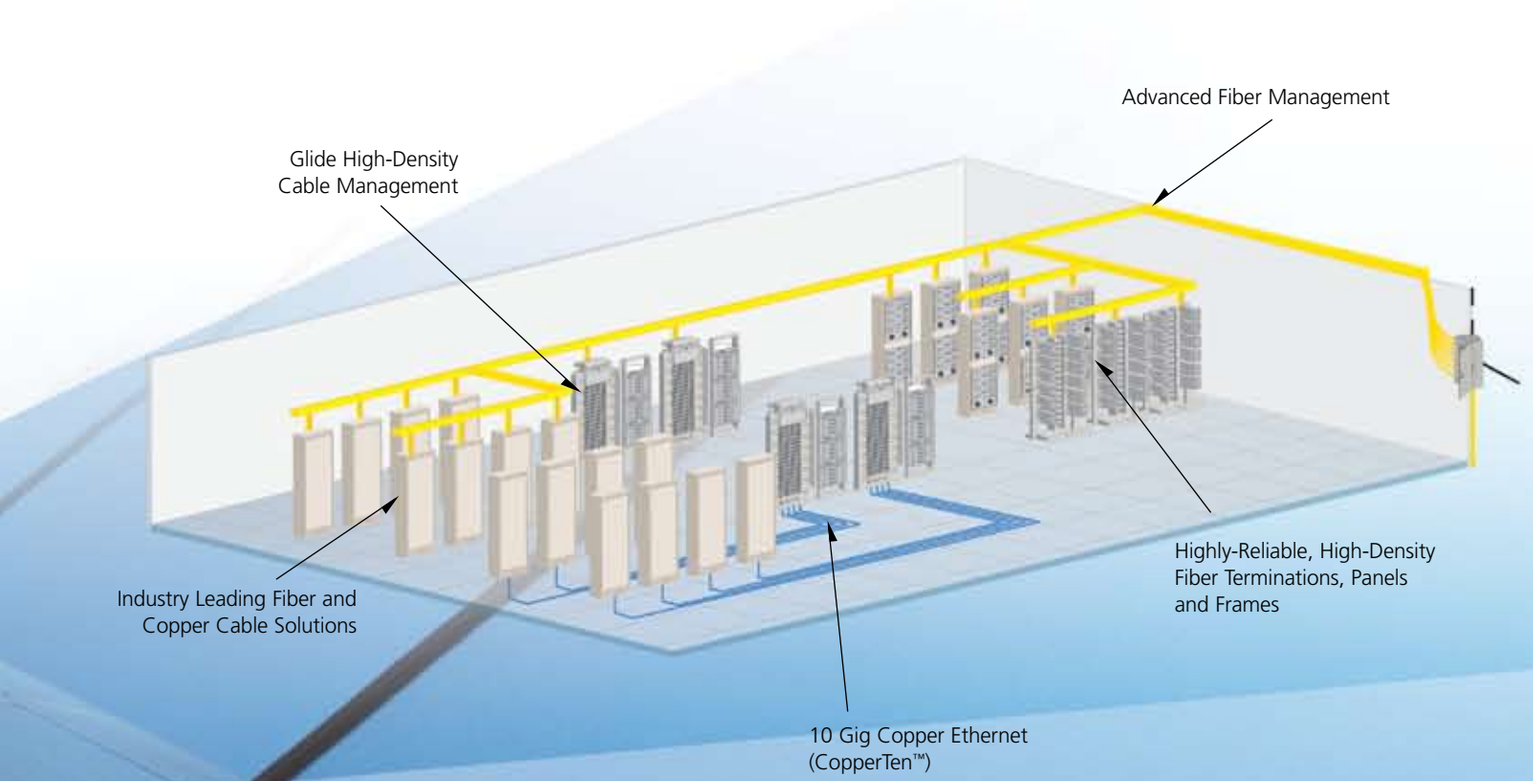
Data Center-Grade Infrastructure Solutions

The data center is the hub of most organizations. But it’s surprising how little thought is typically given the physical layer of the data center: the network infrastructure. Considering that your network infrastructure most likely will support three generations of active equipment, or 10-20 years, more care should be given to the choices made at the all-important physical layer. This is especially true when you consider that 70% of network downtime can be attributed to physical layer problems. Specifically, cabling faults.

Indeed, millions of dollars can be lost in a matter of minutes if networks go "down." With this much at stake, and the fact that your physical layer expense is just 5-10 percent of your data center investment, why would you even consider a structured cabling solution that is not true data center-grade cable?

ADC has a long history of delivering high-speed, high-bandwidth, communication networks for large institutions. These high-reliability enterprise networks have infrastructures that perform to the multi-gigabit technologies. This experience is built into every TrueNet system component.

“Seventy percent of network downtime can be attributed to physical layer problems. Specifically, cabling faults.”



TrueNet: True End-to-End Solutions

The breadth and depth of ADC's global line of network infrastructure products is unmatched by any other firm. ADC's TrueNet brand of structured cabling products and solutions provides a multitude of Cable, Connectivity and Cable Management solutions from the data center to the desktop.

In addition, all TrueNet solutions are supported by the best warranty in the business:

- 20-year performance and applications warranty
- Industry's only Zero Bit-Error Warranty guarantees signal integrity and throughput for five years

Fiber Connectivity Solutions

Fiber Connectivity Solutions

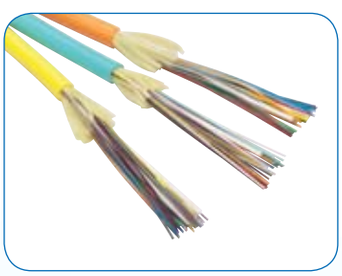
In the backbone or to the desk, optical networks achieve superior performance with ADC's fiber connectors, patch cords, raceways, and panels featuring integrated cable management and bend radius protection. Proper cable management practices make fiber networks less susceptible to accidental damage, quicker to install, less expensive to own and operate over the long haul and easier to expand as needs grow. The ADC enterprise portfolio of connectivity solutions is both wide and deep:

- WMG Wall Box
- RMG Panels
- Fiber Optic Cable, Fast Install Connectors and Cable Assemblies
- TrueNet Fiber Panels, Fiber Management Trays and FL2000 Panels
- Next Generation Frame, FiberGuide

TrueNet Next Generation Frame

The TrueNet Next Generation Fiber Frame

ADC's Next Generation fiber frame is designed for high-fiber count (Up to 2304 terminations per bay) applications such as data centers. Its modularity provides you with "invest as you grow" flexibility. This complete product line is designed to fit a variety of termination, splice and storage applications. Optimized through-space reduces jumper pile-up and congestion, and minimizes the risk of microbends or damage to the fiber. ADC designs also offer bend-radius protection at every turn to ensure network performance and reliability.



TrueNet Fiber Optic Cable

TrueNet Fiber Optic Cable

ADC offers one of the most comprehensive fiber optic product portfolios in the industry. The combination of this expansive fiber cable selection with ADC's Zero Bit-Error Warranty provides a solution set with industry leading performance. The following is just a sampling of ADC's fiber portfolio:

ROHS Compliant Indoor:

- Distribution cable; Plenum or Riser – 2 to 144 fibers
- Breakout cable; Plenum or Riser – 4 to 24 fibers
- Horizontal cable; Plenum or Riser – 1.6, 2.0, 2.4, 3.0mm diameters

Indoor/outdoor:

- Loose tube cable; Plenum or Riser – 2 to 144 fibers
- Low Smoke, Zero Halogen Riser – 4 to 24 fibers

Outdoor:

- Loose tube cable design – 2 to 288 fibers

Cable Management: Fiber Cable Raceway Systems

ADC's FiberGuide Fiber Management systems offer the greatest breadth of optical raceway products in the industry. In response to customer requirements, ADC continues to innovate and improve FiberGuide Systems, adding greater flexibility and driving down installation time to ensure a smooth deployment. The FiberGuide system is a complete set of products designed and manufactured to ensure total off-frame protection and ease of use.

The four key elements of fiber cable management are bend radius protection; cable and connector access; cable routing paths and physical protection.

Fiber Cable Raceway Systems

TrueNet Structured Cabling System

ADC offers a wide variety of copper cable and connectivity for transmission of the most critical data transmissions. The cable portfolio includes CopperTen Augmented Category 6 cable and connectivity for the emerging 10Gbps Ethernet over UTP standard.

CopperTen Modular Jack features LSA-Plus silver-plated 45-degree angled contacts for the most secure and reliable connections available.

TrueNet Structured Cabling System

Power-over-Ethernet Solutions

ADC's Midspan Power-over-Ethernet (POE) Controllers provide a flexible way to power IP telephony and other applications over a local area network. These systems are but one example of a full-line of POE solutions at ADC. The IEEE 802.3af-compliant power source ensures reliability of service for Ethernet devices such as VoIP telephones, wireless access points, security cameras, badge readers and other applications. One cable provides both power and data.

Power-over-Ethernet Solutions

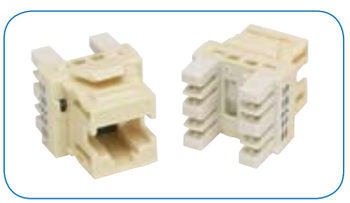
Digivance WFX

The Digivance WFX product family is a third generation Wi-Fi solution for enterprise customers who seek a scalable, cost effective solution to deliver in-building Wi-Fi access. It includes solutions for a broad range of applications, from branch offices where bandwidth is not an issue, to hospitals and campuses where maximum bandwidth is required to support an increasing number of Wi-Fi customers and applications.

Digivance WFX

Work Area Solutions

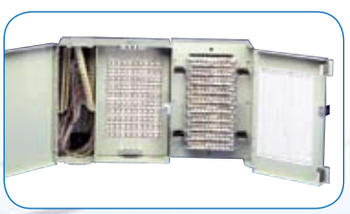
ADC offers a wide range of Work Area Solutions for the TrueNet Structured Cabling System. These include modular jacks, adapters and connectors for your voice, data, and video needs over copper and fiber. Our Work Area Solutions include a broad selection of faceplates, surface mount boxes and plug-n-play patch panels that meet any of your network requirements.



Work Area Solutions

Building Entrance Terminals

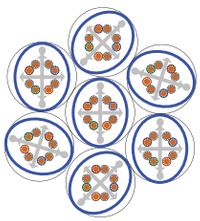
ADC's family of Building Entrance Terminals for both inside and outside applications are built with our traditional focus on high quality and durability. These terminals promise long service life in harsh, outside plant environments and help ensure network reliability and flexibility.



Building Entrance Terminals

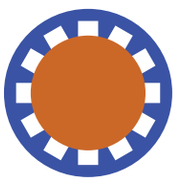
Innovation Driven by a Quest for Performance

Since ADC's founding more than 70 years ago, the company has invested heavily in research and development for one reason: To deliver the broadest line of network infrastructure products and solutions available from a single company. Thousands of patents line the walls of ADC labs and engineering facilities. The results of a few of these patents are highlighted here:



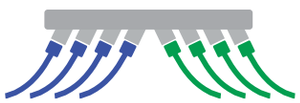
CopperTen™

An integral part of ADC's TrueNet Structured Cabling System, CopperTen is the world's first UTP structured cabling system to enable 10 Gigabit Ethernet over a full 100 meters. Installed in high-performance networks worldwide, the system's patent-pending design minimizes alien crosstalk and insertion loss; it meets the performance requirements of IEEE 802.3an and TIA/EIA 568-B.2-10 draft standards.



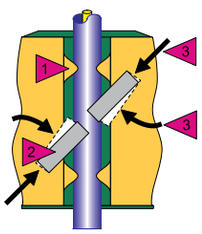
AirES®

Cables for Cat 5e, Cat 6 and Cat 6A over UTP feature the patented AirES® technology. AirES (Air Enhanced System) uses air as part of the conductor insulation, which enhances signal speed and strength while minimizing cable size and crosstalk.



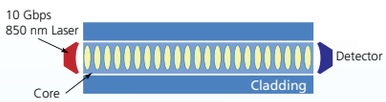
Angle Left/Angle Right

ADC's L/R angle panels feature patented technology that allow you to angle the 6-port RJ45 modules left or right, depending on your cable management needs. This unique design minimizes cable strain. In addition, the angled panels allow you to eliminate horizontal cable managers while improving patch flow throughout the rack.



LSA-PLUS

Silver-plated contact tags at 45-degree angles across the axis of the wire make a solid, gas-tight connection with ADC's patented LSA-PLUS connectors. Insulation clamping ribs hold the wire securely and isolate the contact area from vibration and mechanical stress. In addition, positioning contacts at a 45-degree angle leave more wire between contact points and provides a more reliable, stress resistant connection.



Laser-Optimized Fiber

ADC employs laser-optimized fiber technology to eliminate the bit-error rate (BER) as a result of Differential Mode Delay (DMD) within the fiber. When DMD is reduced, several modes of light can travel at similar speeds, thus increasing the modal bandwidth.

Partner Programs

PACE

Professional Architects, Consultants and Engineers (PACE) are served through this exclusive ADC partnership program. It's your direct source of information on emerging technologies, standards and industry trends. Professionals have access to custom bid templates, reference tools and technical information on ADC products and solutions.

TrueNet® Value Added Reseller

This select program provides unique benefits and incentives to those organizations that share our own passion for delivering the best products and solutions to our worldwide customers. High standards for the TrueNet Value-Added Reseller program limits certification to those partners with the appropriate level of technical resources and expertise; and which have proven over time, their ability to deliver consistent high value.

Industry Associations

IEEE – Institute of Electrical and Electronics Engineers, Inc.

TIA – Telecommunications Industry Association

EA – Ethernet Alliance

Education Associations and Organizations

ACUTA – The Association for Communications Technology Professionals in Higher Education

WSTA – Wall Street Technology Association

BICSI – Building Industry Consulting Service International

Contact Us

To find out how you can put ADC enterprise infrastructure products and solutions into your facilities, contact ADC directly at 1-800-366-3891, Extension 73009. To locate a distributor of ADC Enterprise products and solutions near you, go to http://www.adc.com/partners/ on the Web.

Web Site: www.adc.com

From North America, Call Toll Free: 1-800-366-3891 • Outside of North America: +1-952-938-8080

Fax: +1-952-917-3237 • For a listing of ADC's global sales office locations, please refer to our Web site.

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