Supporting Modern Learning Environments with E-Rate Qualified Infrastructure

With deep experience in the education space and proven product quality, Panduit is your trusted infrastructure partner for future-ready schools.
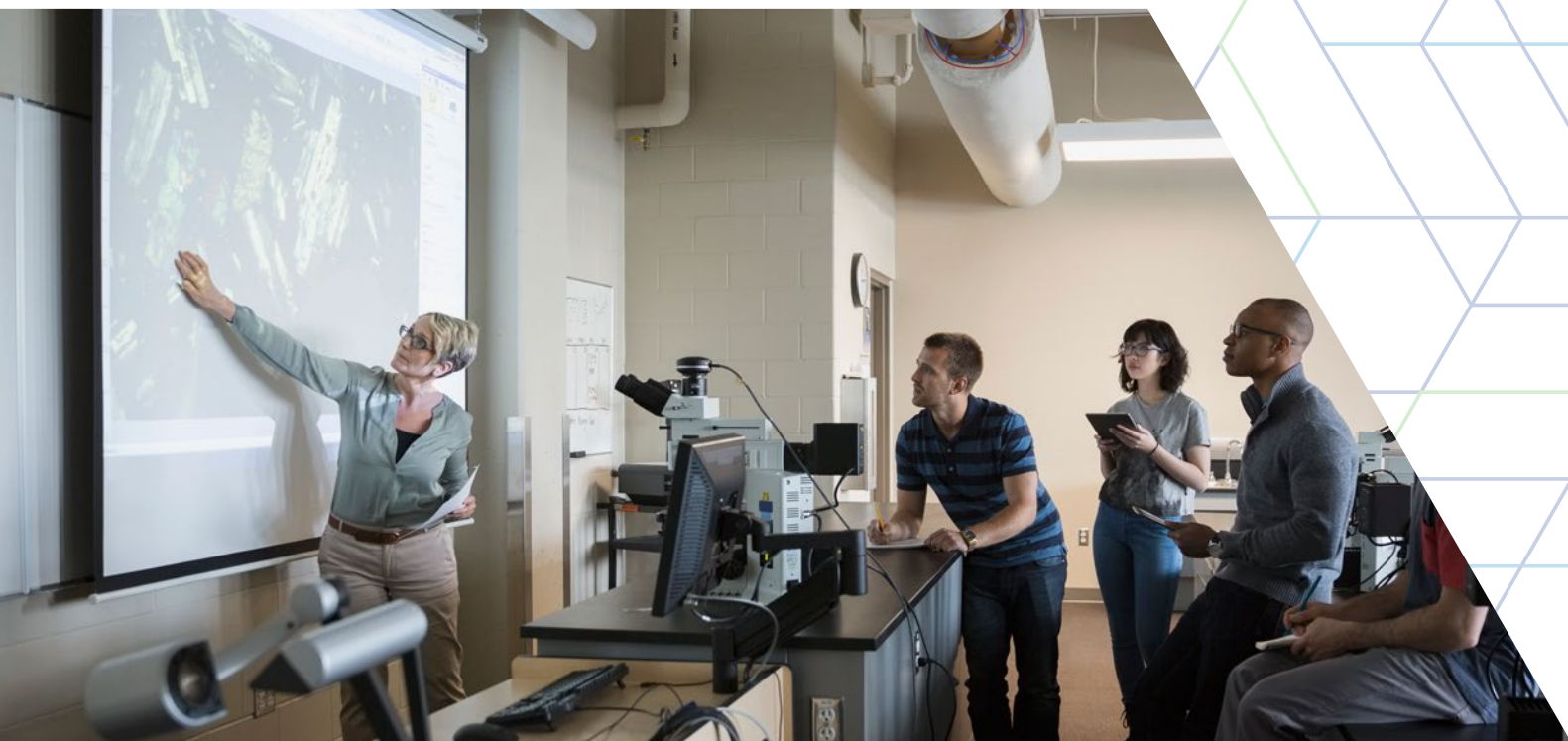
PANDUIT®

Solution Guide

Network Infrastructure Recommendations for K-12 Facilities

Schools and school districts are seeing mounting demands for technology in the classroom and across the campus. However, these schools often have limited budgets and tight timelines to meet the needs. A reliable network infrastructure is the foundation for this technology and Panduit, paired with the federal E-Rate Program, can deliver high-performance physical layer solutions that are reliable, efficient to install, and scalable for future needs.

Taking Advantage of the E-Rate Program

The E-Rate program is a federal initiative that provides funding to help schools and libraries in the United States purchase affordable telecommunications and internet access. Since 1996, the program has provided discounts on eligible services and equipment, to ensure that all students have access to modern technology and digital learning resources.

This funding – totaling $3.2 billion in 2024 – helps schools build and maintain robust network infrastructures to support a wide range of educational applications and improve overall connectivity. As a result, the E-Rate program plays a crucial role in bridging the digital divide and enhancing the quality of education for students across the country.

Panduit E-Rate Solutions

For consultants and IT teams, Panduit offers spec-ready, standards-compliant systems that simplify even the most complex designs. School and district leaders can count on Panduit for infrastructure that's reliable, scalable, and ready to support modern applications like Wi-Fi 6/6E, VoIP, PoE lighting, IP surveillance, and more.

Panduit end-to-end copper and fiber solutions are fully aligned with E-Rate Category Two requirements and are designed for faster deployment, easier management, and reduced maintenance over time. Durable construction and pre-engineered components help minimize total cost of ownership while maximizing long-term value.

Built to meet **ANSI/TIA 4966 standards**, Panduit's infrastructure supports modern learning demands, including Wi-Fi access. And, when installed by Panduit-certified partners, systems are backed by a 25-year warranty, ensuring consistent performance and protecting your investment well into the future.

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Panduit Infrastructure by Application

Find a range of structured cabling systems optimized for educational use cases, with both pre-terminated and field-terminated solutions that reduce labor costs and improve consistency across sites. Panduit copper and fiber s ystems are eligible under E-rate Category 2 and support core technologies such as:

- **Wi-Fi 6/6E/7:** Use Category 6A copper cabling with up to four runs per access point to support higher bandwidth, link aggregation,and future scalability
- **Power over Ethernet (PoE):** Ensure your copper cabling and connectors are engineered for high-wattage PoE applications, includingWi-Fi, IP cameras, access control, and lighting, without signal degradation
- **AV over IP:** Transmit high-resolution audio/video using HDBaseT or IP-based solutions, eliminating the need for proprietary cables
- **Backbone Scalability:** Support campus-wide distribution and growing bandwidth needs with OM4/OM5 and OS2 fiber optic solutions
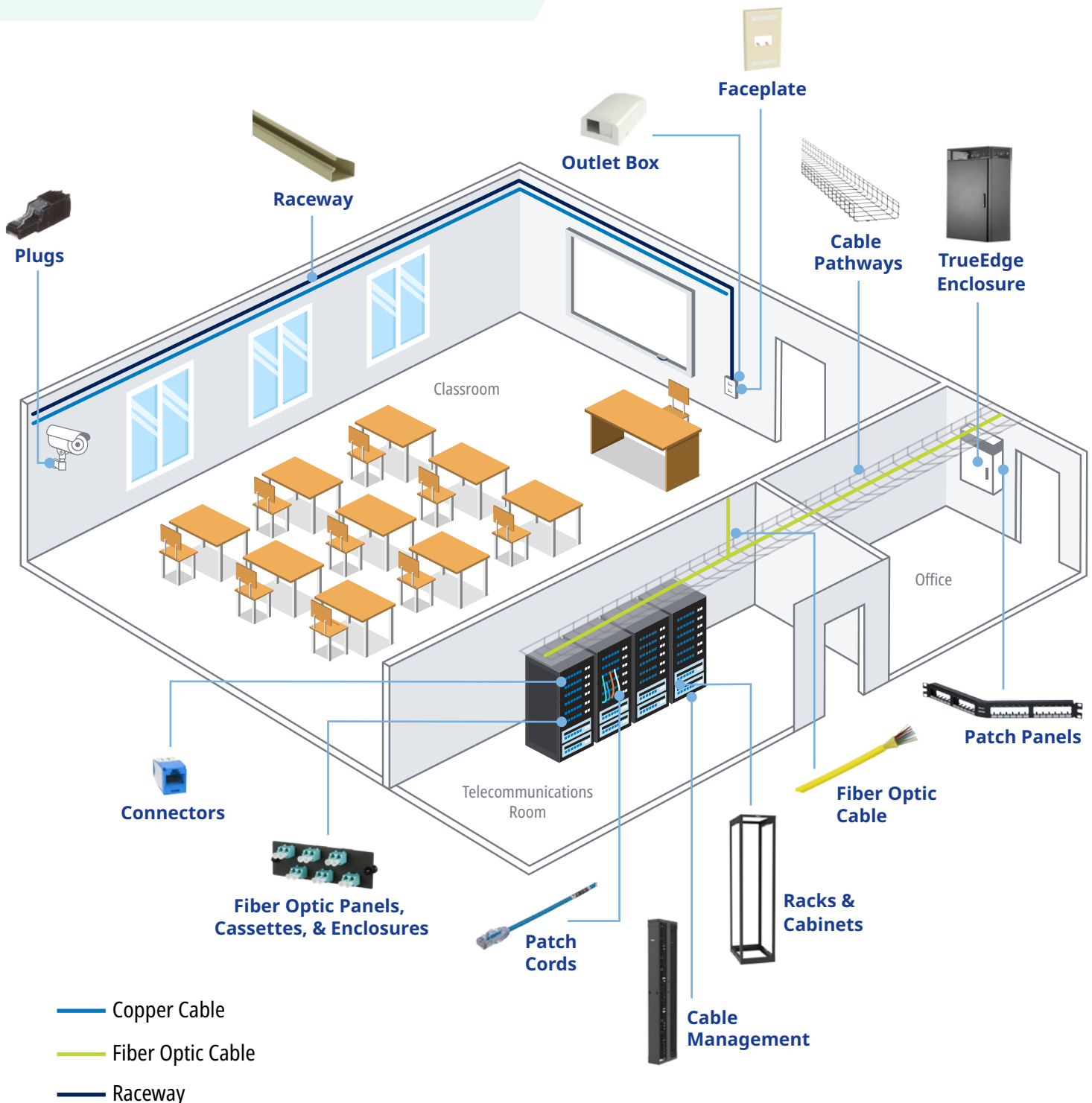
Every component – from cabling and jacks to racks and cable managers – is designed for fast deployment and built to withstand years of use in education settings.

Strengthen Your Network with Panduit and E-Rate

The E-Rate program provides discounts on telecommunications and internet access for eligible K-12 schools and libraries. See where we can help you secure E-Rate discounts within your school or library.

Faceplate

Outlet Box

Raceway

Cable Pathways

TrueEdge Enclosure

Plugs

Classroom

Connectors

Office

Patch Panels

Telecommunications Room

Fiber Optic Cable

Fiber Optic Panels, Cassettes, & Enclosures

Patch Cords

Racks & Cabinets

Cable Management

— Copper Cable

— Fiber Optic Cable

— Raceway

Panduit E-Rate Solutions

Product categories shown below qualify for E-Rate funding.
Part numbers shown are a small representation of the complete solutions available.

Part Number	Description
COPPER SYSTEMS	
PUP6AHD04BU-G	Copper Cable
CJ6X88TGBU	Copper Jacks
FP6X88MTG	Field Term Plugs
UTP28X7BU	Copper Patch Cords
CFPL2WHY	Faceplates
CPPA48FMWBLY	Patch Panels
CBX2WH-AY	Surface Mount Boxes
PSL-DCJB	Network Physical Security
FIBER OPTIC SYSTEMS	
FHS9N-12-10P	Fiber Optic Cassettes
FLEX1U06	Fiber Optic Enclosures
FAP12WBUDLCZ	Fiber Optic Panels
FSOCLCX	Fiber Optic Splice Connectors
FYZTP77Y005F015	Fiber Optic Cable Assemblies
FODPZ12Y	Fiber Optic Cable
RACKS, CABLE MANAGEMENT, AND ENCLOSURES	
R4P	Racks
PR2VD10	Cable Managers
WME6BL	Wall Mount Cabinet
CABLE PATHWAYS	
FR12X4YL10	Fiber Runner
PWB4X24EZ	Wire Basket
LD5WH6-A	Surface Raceway
GROUNDING AND BONDING*	
GCE250-1/0-Q	Grounding Connector
UNINTERRUPTIBLE POWER SUPPLY (UPS)**	
U02N11L	UPS
LABELING AND IDENTIFICATION**	
MP300	Printer

Visit **panduit.com** to
see the full selection

*Limitations: Grounding kits, busbars, and bonding jumpers are eligible for E-rate Category Two funding when used to support eligible internal connections equipment (such as racks or enclosures) and are not billed as separate line items. These components must be installed as part of a compliant system and required for proper operation or code compliance. Standalone grounding systems or general electrical infrastructure are not eligible.

**Limitations: Uninterruptible Power Supplies (UPS) are eligible for E-rate Category Two funding when used exclusively to support eligible internal connections equipment, such as switches, routers, access points, and patch panels. The UPS must be installed on-site at an eligible school or library location and cannot be used to power ineligible devices (e.g., desktop computers, phones, security systems). UPS units should be clearly documented as part of the internal network infrastructure and bundled within the same funding request category.

***Limitations: Labeling products are eligible under E-rate Category Two when used to support the organization and documentation of internal connections infrastructure. Eligible use cases include applying labels to patch panels, faceplates, jacks, enclosures, and cabinets to streamline network management and support. Products such as self-laminating cable markers, adhesive panel labels, and label printers may be included only when used to mark eligible network components. Labeling for inventory tracking, device tagging, or non-network purposes is not eligible.

We have the knowledge
and experience to help you
make the most of your
infrastructure investment.

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