

END OF ROW ARCHITECTURE



OCC's Procyon™ family of high performance, easy to install data center solutions

The Procyon™ product family offers a complete solution for cabling, connectivity and cabinets for any data center configuration. When utilizing the end of row architecture, the Procyon family offers high-density connectivity options with the full versatility of patching characteristics of a conventional structured cabling system. Procyon provides complete system options for either copper, fiber or hybrid data center architectures.

Procyon pre-terminated cabling products are the ideal solution for end of row architectures. Both fiber and copper assemblies are available for easy implementation between Procyon high-density patch panels. When cabling a data center between any of core, aggregate or access switching equipment and server or storage hardware, Procyon high count fiber and copper pre-terminated cables eliminate the field termination of connectors and minimize tray fill levels by providing bulk connectivity in a compact form factor.

PROCYON™

The 1RU form factor of both patch panel chassis accommodate either 48 Cat6A RJ45 ports for copper implementations or 144 LCs for 10Gbit/s Ethernet systems. For future 40 or 100Gbit/s migration, the same chassis will support 48 MTP connections. Integrated cable management features on the Procyon cassettes, combined with the unique coupling features of the Procyon chassis, will ensure that installation and future moves, adds and changes to your end of row system will be accomplished swiftly and easily. With the Procyon system, every connector is accessible. Unlike top of rack or direct connect configurations, using Procyon patch panels will maintain a usable, well organized, scalable infrastructure meeting the density requirements of current and future data center hardware.

Every Procyon component has been engineered as part of a complete system solution, where the accessibility and cable management features make the data center operating experience easy, clean and organized. Combined with the reliability of tight buffer fiber optic cable and the best copper performing interconnect hardware in the industry, OCC is proud to offer the Procyon family as part of your End of Row data center implementation.

As a final note, remember to consider the challenges of the end of row configuration as part of the design decision. With the end of row design, there is an increased cabling and connectivity hardware infrastructure, and longer cabling runs between access switches and server hardware. Also important to note is the increased number of connectors in both copper and fiber channels to maintain.

EoR Advantages:

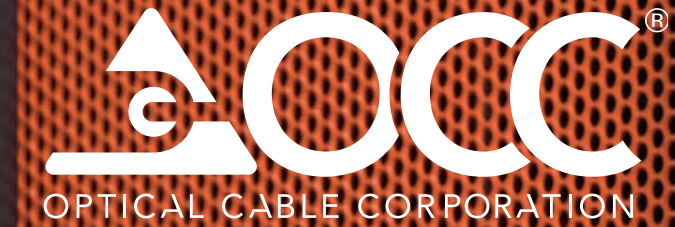
- Maximum versatility using a structured cabling approach between core/aggregate, access and server/storage cabinets.
- Pre-terminated solutions are easily implemented without requirement of field termination on site.
- Patch panel usage makes moves, adds and changes less disruptive to the data center cabling base, and provides a clearly labeled and fixed platform between cabinets.
- High-density cabling management features are implemented between all active hardware components.
- High count pre-terminated cable assemblies minimize cable tray fill between functional cabinets.
- Establishes a solid foundation for data center changes and evolution to next generation technology.



OPTICAL CABLE CORPORATION

CORPORATE HEADQUARTERS
5290 Concourse Drive | Roanoke, VA 24019 | USA
Phone: +1-540-265-0690 | 800-622-7711
Fax: +1-540-265-0724
occfiber.com

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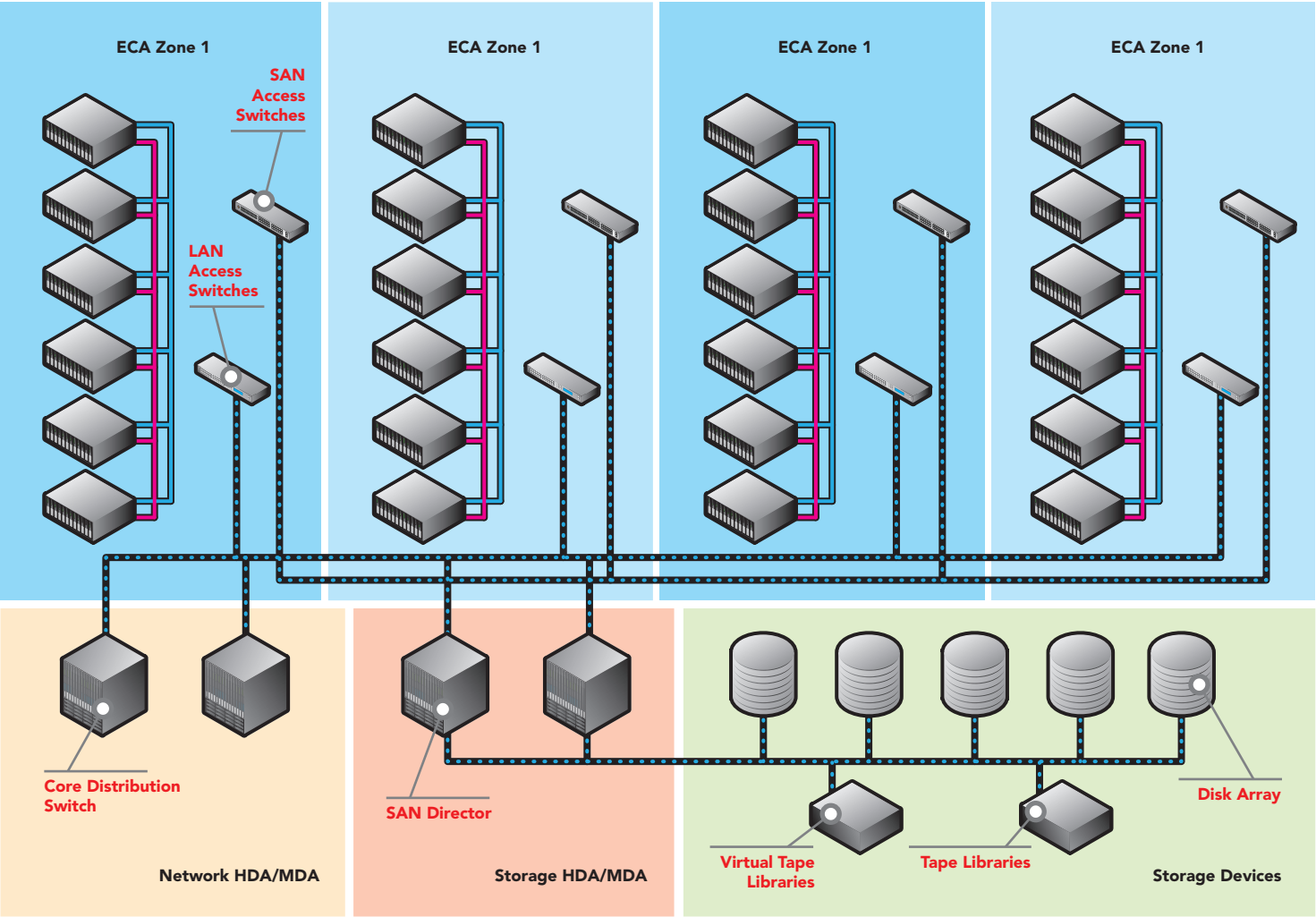


End of Row Data Center Configurations

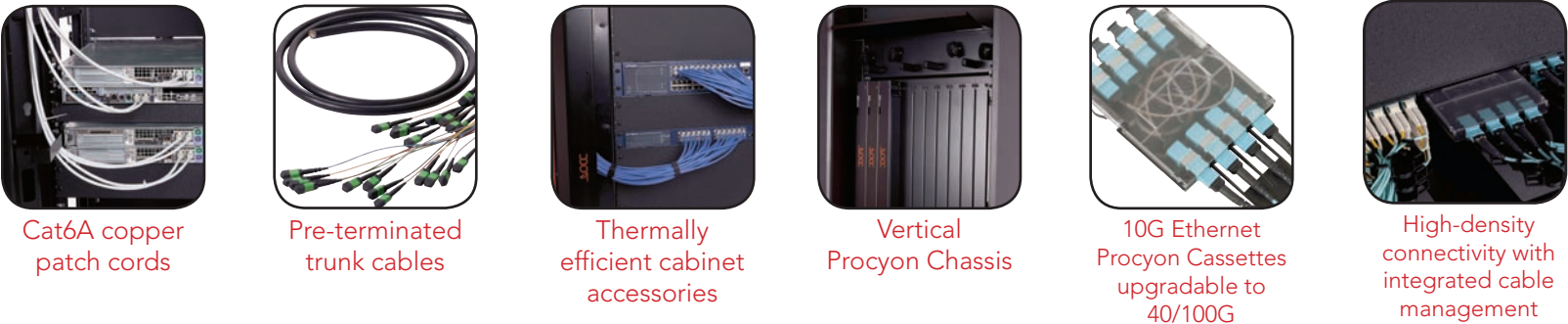
PROCYON™

END OF ROW IMPLEMENTATION OVERVIEW

OCC's Procyon™ family of data center solutions allows a high-density structured cabling approach to be used in your End of Row data center implementation. High-density fiber or copper patch panels combined with pre-terminated high-count cables between cabinets containing aggregate, access or server/storage hardware for any configuration is easily accomplished using Procyon components.

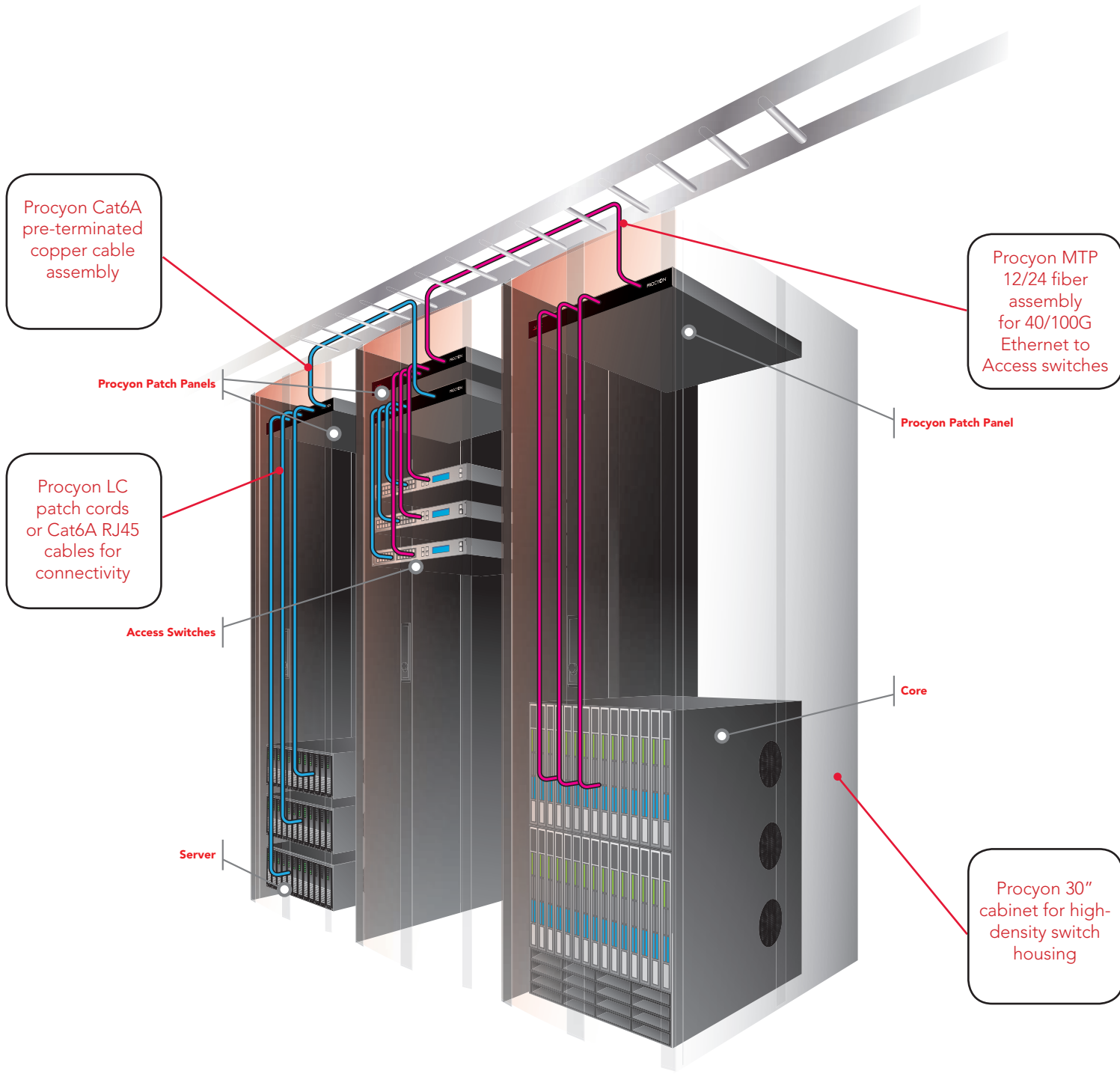


Choosing OCC's Procyon™ lineup of products makes your End of Row data center design easy to access, upgrade and maintain.



CONFIGURING AN END OF ROW CABINET

- Procyon fiber optic or copper panels are utilized with high-count pre-terminated cable assemblies between core and access switching or access and server connections.
- Pre-terminated cable assemblies, whether fiber or copper, provide easy installation and minimize tray fill.
- Access switch located in a single cabinet separate from servers



PROCYON™ DATA CENTER SOLUTIONS



OCC's Procyon™ family of high performance, easy to install data center solutions



Copper Cable Assembly
P/N ROC4G6A-"length"

The Procyon™ Pre-term high-density copper cable assembly is a narrow form factor rugged and shielded cable assembly for fast installation of high speed copper interconnects for data center applications. The small metal form factor metal connector housing makes it durable for installation and resistant to EMI/RFI for high speed applications. An easy to remove metal pulling eye is incorporated to aid in cable installation.



MTP - MTP Fiber Cassette
P/N PROMT48MTxxx*

The Procyon™ Fiber Cassette is designed to provide easy transition of trunk cables terminated with MTP to MTP patch cords for 40/100 Gbit/s Ethernet connectivity. It is part of an overall upgradable pre-terminated cabling architecture. The MTP-MTP cassette allows for maximum density with integrated cable management and cassette extraction features.

*Replace "xxx" in P/N with: SLX = SM, ALT = OM3 or WLS = OM1



Copper Panel
P/N PROC1U

The Procyon™ Copper Panel is designed to give high-density copper connectivity in the Data Center. Each copper panel supports 48 Cat6A ports for 10Gbit/s throughput for maximum RJ45 connectivity in a 1RU form factor. The copper panel is mated with 12 preterminated copper cable assemblies supporting 4 ports each.



Vertical Panel
P/N PROVBKT

Both Copper and Fiber Procyon™ patch panels are designed to be mounted either horizontally or vertically such that the data center operator can create synergy between the port layout of the switching hardware they use. This is accomplished by the Vertical Panel Accessory kit (PROVBKT). Each kit supports 10 1RU panels mounted vertically, and also provides horizontal cable management such that the vertically oriented panels can be cleanly cabled to the vertical cable managers on either side of either the 24" or 30" Procyon data center cabinet.



MTP - LC Fiber Cassette
P/N PROMT12LCxxx*

MTP-LC cassette is designed to provide easy transition of trunk cables terminated with MTP connections to LC duplex connectivity. It accommodates 1MTP to 12 LC fiber connections and also has a pull-tab feature for easy extraction and proprietary box clip positioning and retention mechanism for easy positioning and secure fit.

*Replace "xxx" in P/N with:
SLA = DLCX6, SM; ABE = OM4, SM or APCSLA = DLCAPCXG, SM



Fiber Panel
P/N PROF1U

The Procyon™ Fiber Panel is designed to give high-density with comprehensive trunk and patch cord cable management features. The unit accommodates 144 LCs or 48 MTPs in 1RU. The unit is designed to be easily accessible when fully populated, and the combination of cassette and panel cable management allows for easy installation and future maintenance. The Procyon panel is ideal for switching, server and storage applications.



Forward Cable Management

Comprehensive integrated cable management with waterfall edges to allow for neat and orderly flow of cabling from the front of the cabinet. Provides cable management and thermal barrier in one unit.