

TOP OF RACK ARCHITECTURE



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

When your data center architecture preference is to place access switches in the same cabinets as the server and storage hardware, the OCC Procyon™ product family supports the Top of Rack design in every aspect. The Procyon family consists of high performance pre-terminated fiber optic and copper cable assemblies, dynamic cabinet mounting features and a novel combination thermal/cable management accessory system. Procyon products will allow you to configure your cabinets the way you want, with the cabling reliability of the best tight buffer fiber optic interconnects or copper cabling performance products in the industry to keep your data center running smoothly.

Procyon pre-terminated fiber optic and copper cable assemblies provide the most effective means to cable your Top of Rack implementation. Elimination of connectorization and termination procedures on site minimizes installation time and maintaining of specialized equipment for installation and test. This allows you to maintain focus on operations, and not on worrying about installation. Available in custom lengths, Procyon pre-terminated assemblies provide the best in 10G fiber and copper performance, or the infrastructure for emerging 40/100Gbit/s standards.

PROCYON™

Procyon data center cabinets provide unique cable management and thermal efficiency features to keep hardware running cool and cabling neat and organized. Convenient mounting features for both front and rear orientation of access switches make for fast installation and easy cabling from access switches to servers/storage equipment located below. The Procyon cable/thermal management accessory kits provide a thermal isolation mechanism, ensuring cool air entering the front of the cabinet is mixed with exhaust exiting the server and storage units in the rear. This ensures your top of rack installation will operate with maximum efficiency, keeping operating costs at a minimum and prolonging server life.

When using connectivity options for core and aggregate cabinets, Procyon patch panels can be mounted either vertically or horizontally matching the orientation of data ports on switching hardware. Procyon connectivity offers flexibility and cable management features making the highest density cabinets easy to service, and helps maintain a clean and organized operating environment. Procyon patch fiber panels accommodate 144 LCs or 48 MTPs in 1RU, or 48 Cat6A ports in 1RU for copper installations. Whatever your system requires, Procyon can deliver an optimal cabling environment with the density requirements you need.

The Top of Rack configuration does face a few challenges. Fixed structured cabling system features such as labeling are not directly tied to cable assemblies present in the server cabinets. The access switches located in the top rear orientation of the server cabinet are subject to heated server exhaust environment and may require additional monitoring. And finally, this particular cabling infrastructure is not easily migrated between 10/40/100Gbit/s technologies when that time comes.

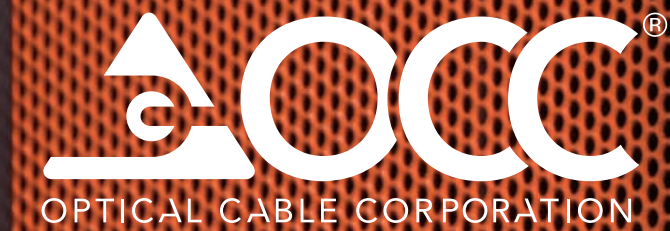
ToR Advantages:

- Access switching hardware located in close proximity to servers within the same cabinet means short cable runs to servers.
- Pre-terminated Procyon cables retain data center focus on operations and not on termination and testing activities.
- Minimal connectivity hardware requirements.



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

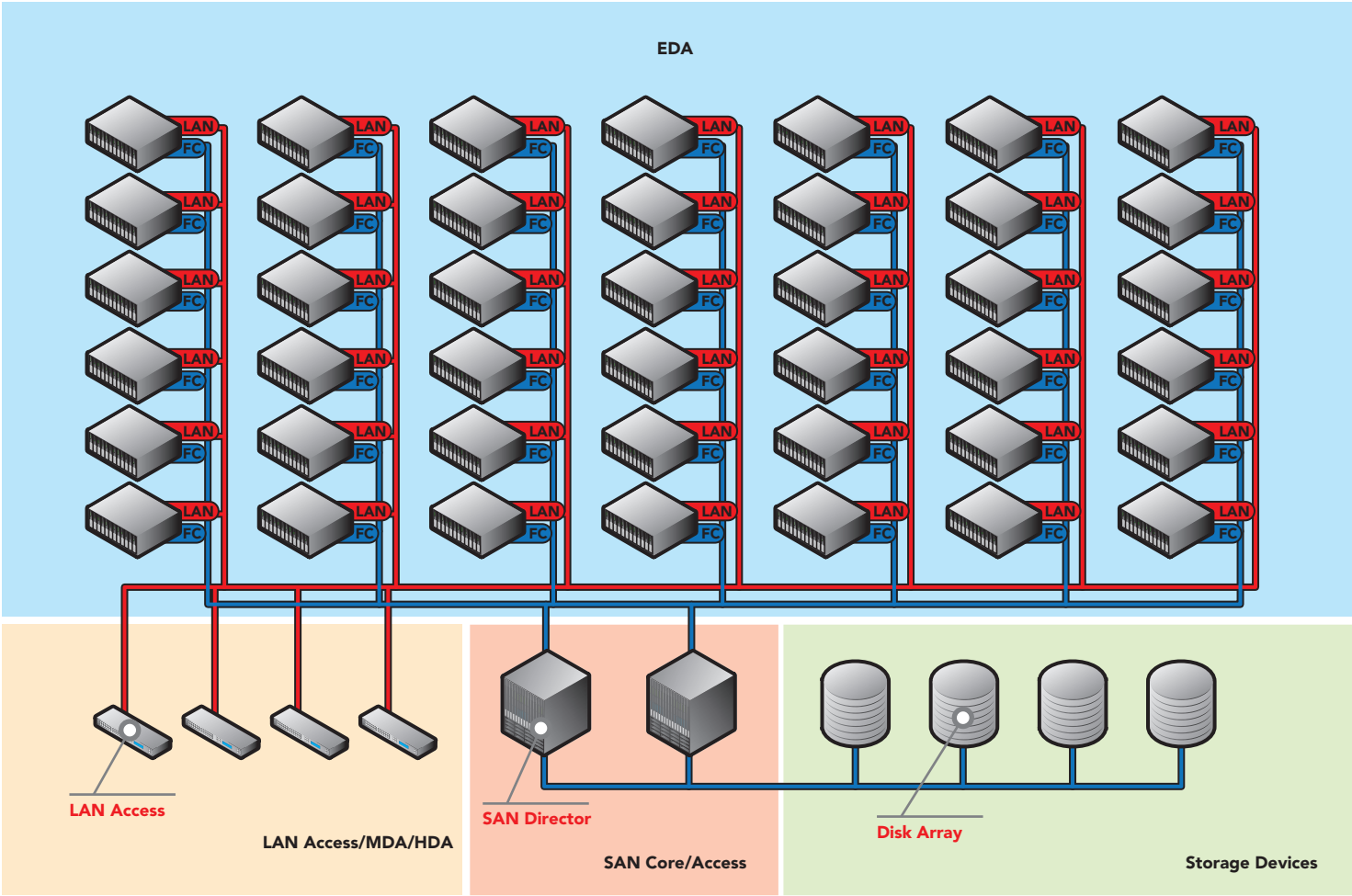
02-2011A




Top of Rack Data Center Configurations

PROCYON™


Procyon products are ideal for Top of Rack data center architecture. Pre-terminated cable assemblies can be used between all your switching, server and storage hardware. Whether planning for 10/40/100Gbit/s Ethernet or the next generation of fiber channel, Procyon fiber and copper products give you full versatility with the performance and reliability you expect from OCC.




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




Cat6A copper patch cords



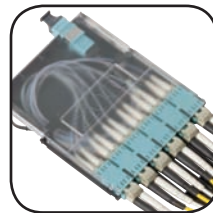
Pre-terminated trunk cables




Thermally efficient cabinet accessories



Vertical Procyon Chassis

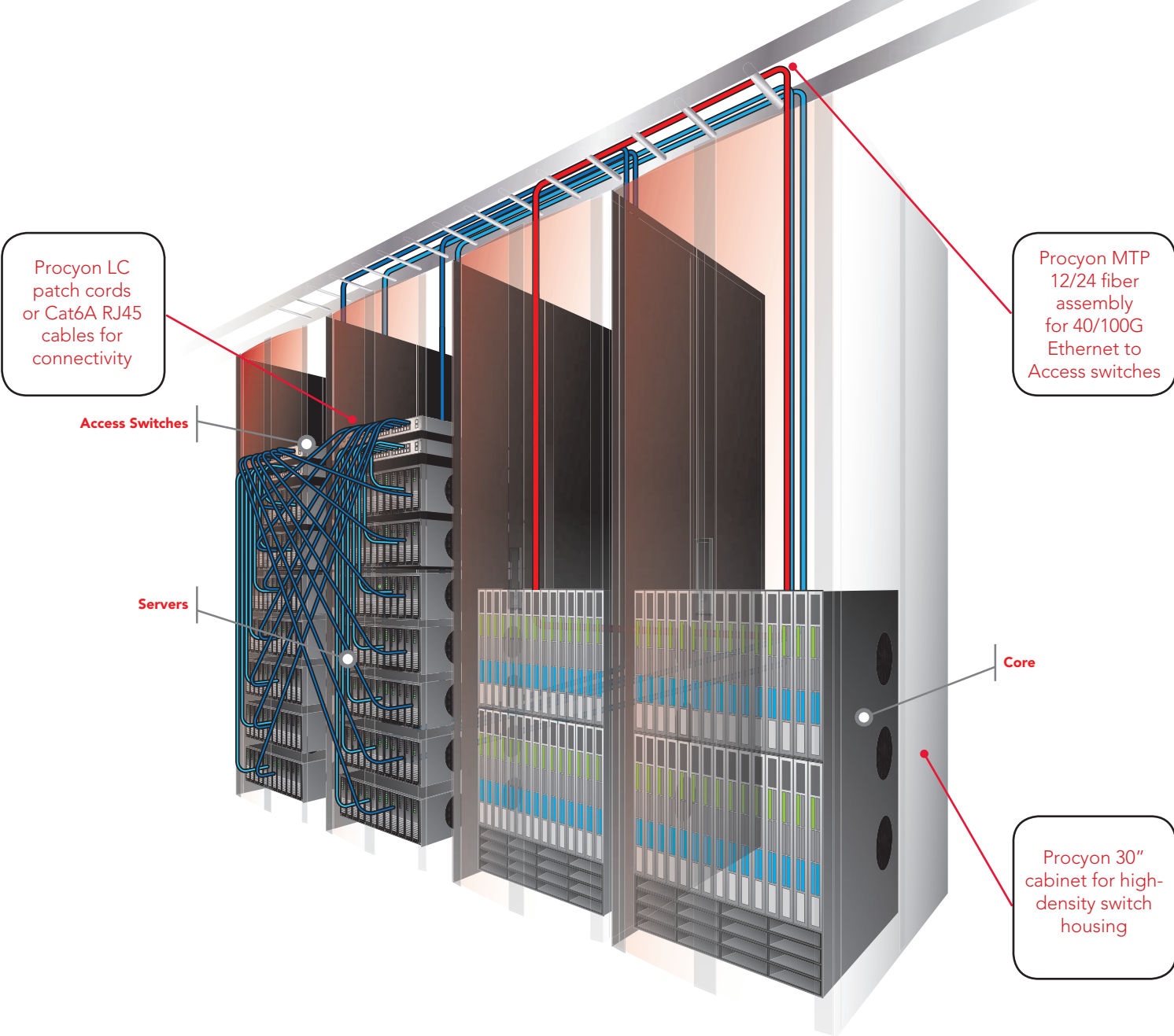


10G Ethernet Procyon Cassettes upgradable to 40/100G



High-density connectivity with integrated cable management

- Procyon pre-terminated high-density cables used between each access switch and aggregate switch
- Procyon cabinet supports rear-mounted access switch placed in top rear position for ease of cabling to back of servers
- Procyon Cat6A patch cords for short access switch/server cabling runs
- Procyon patch panels can be used in core/aggregate switching cabinets either horizontally or vertically to make the port layout of your active hardware, for easy mapping to your data center cabling system



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



Copper Cable Assembly
P/N ROC4G6A-\"length\"

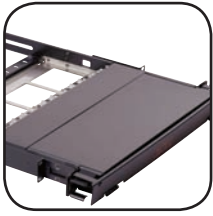
The Procyon™ Pre-term high-density copper cable assembly is a narrow form factor rugged and shielded cable assembly for fast installation of high speed copper interconnects for data center applications. The small metal form factor metal connector housing makes it durable for installation, and resistant 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 preterminated 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 PROCTU

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 Chassis
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; ABT = DLCX6, OM3;
WLS = DLCX6, 62.5; ABE = OM4, SM or
APCSLA = DLAPCXG, 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.