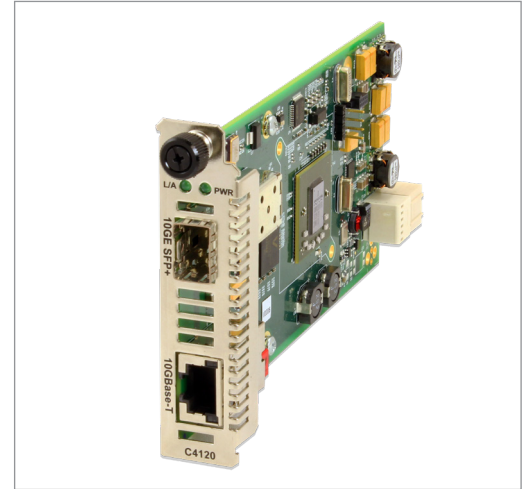


## ION 10 Gigabit Ethernet Media Converter Module

### 10GBase-T to 10GBase-X

The C4120 is a media converter module that provides an interface between 10GBase-T ports and 10GBase-X ports via an open SFP+ port, allowing users to convert their 10Gig Ethernet ports to the preferred type of cabling used in their networks. The open SFP+ port supports a wide variety of Transition Networks 10GE SFP+ fiber modules. Operating at Layer 1, the physical layer, data is passed through the converter at line speed, making the C4120 ideal for applications where low latency is essential. The ION C4120 is a manageable device when installed in a managed ION chassis.



### Features

- Transparent Link Pass Through
- Auto-Negotiation
- Auto-MDI/MDIX
- Automatic Link Restoration
- Loopback on Fiber and Copper
- DMI
- For use in the ION 19-Slot or 6-Slot Chassis only
- Manageable when installed in a managed ION Chassis
- Remote Firmware Upgrade Fiber Port supported standards
  - 10GBase-SR
  - 10GBase-LRM
  - 10GBase-LR
  - 10GBase-ER
  - 10GBase-ZR
- The open SFP+ port also supports:
  - Direct attached 10G copper cable assemblies
  - Both Class-I and Class-II fiber
  - SFP+ modules
  - SFP modules supporting WDM technology
- Support 100m on Cat6a or higher UTP
- Per Energy Efficient Ethernet standards, IEEE 802.3az, UTP cable length is detected and power is adjusted according, to reduce power consumption on shorter UTP cable installs

### Specifications

Standards	IEEE 802.3 IEEE 802.3an IEEE 802.3ae IEEE 802.3az
Data Rate	10 Gbps
Dip Switches	SW1: Copper Loopback SW2: Fiber Loopback SW3: not used SW4: Transparent Link Pass Through
Status LEDs	PWR (Power): On = power is on L/A SFP+ (Fiber port link and activity status): On = Link OK Flashing = Link and Activity OK Copper Link (Copper Link Status): On = Link OK Copper Act (Copper Link Activity): On = Activity OK
Dimensions	Width: 0.86" [21.85 mm] Depth: 6.5" [165 mm] Height: 3.4" [86.36 mm]
Power Consumption	10.5 Watts See product manual for chassis power guidelines
Environment	<b>Environment specs are dependent on the chassis chosen</b> Operating: 0°C to +50°C Humidity: 5% to 95% (non-condensing) Altitude: 0 – 10,000 ft.
Weight	1 lb. [0.45 kg]
MTBF	Greater than 250,000 hours (MIL-HDBK-217F) Greater than 687,000 hours (Bellcore)
Certifications	FCC Class A, EN55022 Class A, EN55024, CE Mark
Warranty	Lifetime

### Ordering Information

**C4120-1048**  
10GBase-T RJ-45 100m  
to 10GBase-X SFP+ Slot (Empty)

### Optional Accessories (sold separately)

**SFP+ Modules**  
Supports any SFP+ 10G Modules