Canary 12-Slot Powered Rack for 1000Mb Bridge Converters

Featuring:

- **10/100/1000 UTP & Gigabit Fiber SFP Ports for Flexible Host Connections**
- **Twelve IEEE 802.3, 3u, 3z, 3ab Connections**
- **Redundant Power Supply**
- ***"We Deliver Flexible Connections and Increased Customer Satisfaction!"***

The *Canary* ***CCR-12*** Twelve-slot, Powered Chassis, is designed to provide power to twelve standalone media converters from a single common bus. Each individually powered, hot-swappable converter is separately protected in the event of a problem on the bus or from power surges – all while consolidating them into a central rack location.

A CCR-12 may be easily located a fully loaded near a switch configured with standard UTP ports, to economically provision multiple long-range Fiber runs to physically dispersed network locations. Simply add individual converters to the CCR-12 chassis when additional Fiber links are required.

CCR-12 is illustrated as loaded with (twelve) 10/100/1000Mbps, Copper-to-Fiber, CLE-10SF6 Bridging converters. The **CLE-10SF6** can link to legacy 10 Mbps equipment or to 100 Mbps & Gigabit Ethernet devices. Each CLE-10SF6 has an SFP-type Fiber slot that enables a user to match or change between multimode and single-mode Gigabit Fiber transceivers. Please contact Canary for additional converter & protocol types.

CCR-12 chassis include one high capacity, hot swappable power supply and three serviceable, high-capacity Cooling Fans. A second Redundant Power Supply [**CCR-12RP**] can be installed for additional security. Sharing the load, either Power Supply can be removed without disturbing the chassis' operation. An LED Status panel monitors and reports on the Chassis condition & to ensure System reliability.

Application 1: Position a loaded ***CCR-12*** Chassis near your satellite edge-switches to seamlessly link remote users to key corporate services. Simultaneously, provide Operations Administration & Management (OAM) personnel easy reach into distant network locations.

Application 2: Deploy your ***CCR-12*** to consolidate multiple converters into a single rack for access to a single power source – reducing clutter and simplifying their deployment.

CCR-12 Powered Chassis –12-Slot Converter Mounting

▪ *Flexible, Plug-and-Go RJ-45 & SFP Fiber Configuration:*

Load a ***CCR-12*** Chassis with **CLE-10SF6** Converters. Connect each Converter to a Ethernet Source port. Match the SFP pluggable transceiver to the Fiber cable type; then simply power-up the Chassis to automatically distribute power to each Converter and enable communications between all connected devices. Use the Chassis Status and individual Converter LEDs to verify System & Link functioning. Easily make architecture changes for your particular needs and user applications. *(Applications 1 & 2)*

▪ *Enhanced Network Stability & Chassis Reliability – Built In*

Power Supply: Is an over-engineered hot-swappable module that easily meets the needs of a fully loaded Chassis – and, for even greater reliability & robustness, load a second, load-sharing, Redundant Power Supply.

Dual AC Power Inputs: Primary and Redundant Power modules insure that each Converter always receive power via individually protected circuits.

High-Capacity Fans: Triple Redundant Fans, guard against temperature extremes. Easily serviceable, individual fans can be replaced as needed.

▪ *Local Chassis and Converter Monitoring:*

Directly *monitor* Link-State & functional status (power and fans etc.) of the local Chassis & Converters, while indirectly monitoring the remote Converters providing point-to-point links between the Central Office and remote users. Maintain user access and traffic volume to ensure normal data transmission and the delivery of high availability, reliability and QoS.

Control the physical access to your Canary ***CCR-12*** Chassis and cable connections, to insure continued uninterrupted user access – and securely deliver data where needed – *Easy, Secure, Information Availability!*

Canary Communications

Main Features:

CCR-12 Chassis & Converters:

- Twelve-slot Powered Chassis with Aluminum & Steel Construction
- Chassis ships with (one) Load-sharing CCR-12RP Power Supply
- Additional Bay for second Redundant CCR-12RP Power Supply
- Over-load Protection (Isolation) for each loaded Converter Slot
- Three High-capacity Field-serviceable Ball-bearing Cooling Fans
- Monitoring LEDs for Chassis Power, Fans & Individual Slot Power
- Designed for Ethernet converters – Other converter types available
- -48 VDC Power Supply Option
- Telecom Central Office

Please contact Canary for additional technical details

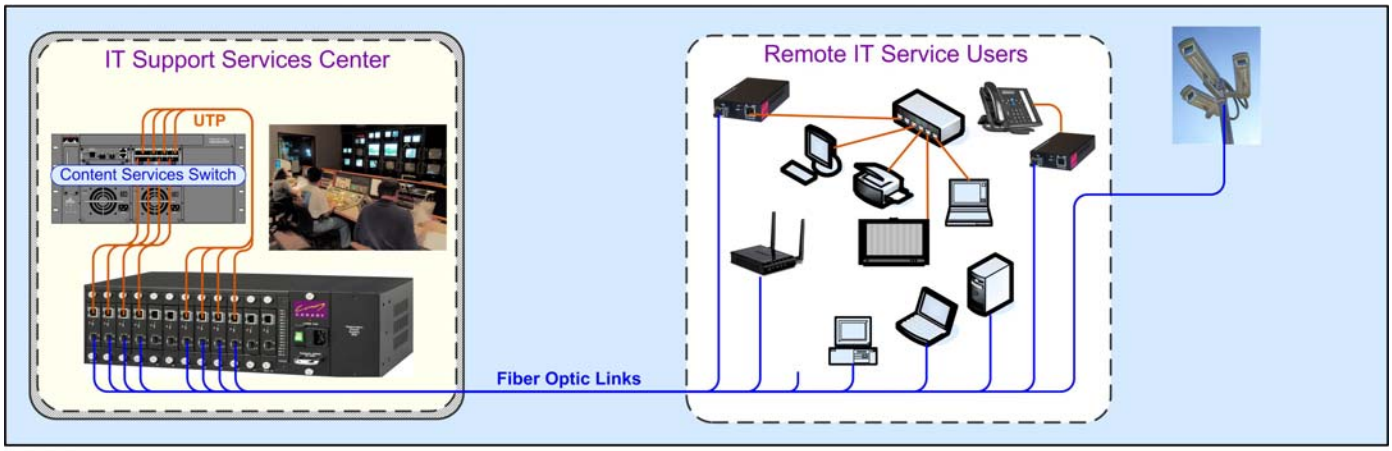
CCR-12RP:

- Modular Power Supply
- Balanced, Load-sharing
- Over-Voltage Protected
- Auto-Shutdown & Recovery
- 100 - 240 VAC, 50/60 Hz
- Power Status LED

Specifications:

Standards: (Ethernet – Converters)	IEEE 802.3 IEEE 802.3u	10BASE-T 100BASE-TX/FX
	IEEE 802.3z IEEE 802.3ab	1000BASE-SX/LX 1000BASE-T
Performance & Specifications:	Cooling Fans:	3 x 42.5 CFM, Ball Bearing, @ 36.5 dB(A) Noise Level
Mechanical & Dimensions:	16.9 inch x 11.5 inch x 5.2 inch (W x D x H) [43.0 cm x 29.0 cm x 13.3 cm] (W x D x H)	
Weight:	20.0 lb [9.0 Kg]: (12 converters + 1 PWR Supply)	
Safety:	US 21 CFR (J) & EN 60825-1 standards and UL 1950 applications, EN 60950, CE, TUV	

AC Input Power:	100 ~ 240 VAC, 47-63 Hz, 6.4 Amp, Max. Internal Power Consumption: Over Voltage Protection: Outputs exceeding 13.2 VDC causes Shut-down & Auto-recovery
Output Power:	+12 VDC (11.88V Min, 12.12V Max.) Overload Protection: Individual Outputs protected against short-circuit conditions
DC Input Power:	Optional: -48 VDC (Special Order)
Temperature:	Operating: 0.0º C to 50º C Storage: -55º C to 85º C
Humidity:	Operating: 10% to 80% RH Non-condensing Storage: 5% to 90% RH Non-condensing
Emissions:	CE Mark EN60950 & EN55022 and FCC Part 15 of Class A



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For more information, please visit us at:
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The Canary Communications QMS is Certified & Registered to ISO 9001:2015

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