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New Loop AM3440 Controllers

DCB is pleased to announce that Loop has released two new controllers for the AM3440 family – the AM3440-CCB and the AM3440-CCPA.

AM3440-CCB

Over the nearly two decade life of the AM3440 product line, Loop has released numerous versions of the AM3440 controller card, making hardware changes under the hood as needed, while keeping the same part number (AM3440-CCA). With the latest change, Loop has made such significant enhancements that they are introducing a new part number for this controller –the AM3440-CCB.



The comparison photo above shows the new CCB controller with its several physical changes:

- Support for a fiber SFP connection for management of the unit via fiber.
- External clock interfaces moved to an RJ45 connection. Support for dual clock inputs and outputs is now available.
- Support for USB console access.
- Added alarm inputs that are integrated with an RJ45 connector.
- Additional alarm outputs have been added allowing external relay of Major, Minor, and Critical alarms.
- The DB25 LCD and DE9 serial console ports are now combined into a DE15 port that includes an adapter for serial console access.
- Memory has been doubled and processor speed quadrupled – **NOW SUPPORTS NAMING EACH CIRCUIT or DS0 CROSS CONNECT!**
- The CCB requires firmware version 11.0+ and all new cards / card upgrades will only be supported in version 11.X firmware after Dec 2018.



Adapter for the DE15 port to allow serial console access.



Fuse and alarm output relays



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AM3440-CCPA (Coming in 2019)



The Loop-AM3440-CCPA is a new packet controller module designed for the Loop Access DCS-MUX series products. It can work in any AM3440 chassis and provides an ideal migration solution from TDM to IP networks without hassle.

The Loop-AM3440-CCPA supports SAToP, CESoPSN and MEF8 pseudowire protocols to transport TDM data streams with timing information over packet switched networks. It allows you to combine a variety of access interfaces and transport them over onboard GigE uplinks (while still supporting existing AM3440 E1/T1 transport cards). It provides full DS0 (N x 64K) cross connect matrix for up to 64 x E1/T1 + 64 bundles (the equivalent of 16 TDMoEA cards).

Now provides:

- Dual Combo Ethernet ports (SFP Fiber or Copper)
- Supports SyncE timing.
- Protection switching is now twice as fast (<= 20ms).

Other key differences:

- Only supports USB console access.
- No LCD Support.
- No T1 status lights for ports A-D (New mini T1 cards with onboard status lights will soon be available).
- Clock input is now via DE15 with fan out cable – similar to O9500PTN.
- Alarm inputs removed due to lack of space on the card for the RJ45 connector.