

Your Power Solutions Partner

ALPHA TECHNOLOGIES SELECTED BY DEKALB TELEPHONE COOPERATIVE TO POWER BROADBAND NETWORK

Alpha's LPS36 Line Power System Chosen to Power Calix E3-12C and E3-48 Platforms

Vancouver, BC. October 15, 2014 – Alpha Technologies Ltd., the power behind the evolution of communications networks, today announced that Dekalb Telephone Cooperative (DTC) has standardized on Alpha's LPS36 Line Power System to power its network of Calix E3-12C and E3-48C Ethernet Service Access Nodes (ESAN). DTC launched fiber DSLAMs in the spring utilizing the Calix E3-12C and E3-48C to quickly expand their DSL high speed to customers, and have now expanded that to FTTH. Alpha Technologies' LPS36 converts -48Vdc power in the Central Office to ± 190 Vdc for connection to the Outside Plant cable. The E3-12C converts ± 190 Vdc to voltages that operate the electronics in the Calix device.

"We like how the LPS36 can power the Calix E3 products using copper cable and the power system at the Central Office," said Brent Adcock OSP manager at DTC. *"It enables us to re-purpose our copper plant and avoid deploying batteries at the remote locations. Remotely powering the Calix devices also simplifies the engineering and installation of the projects."*

"DTC, like many other Independent Telephone Companies, is on the cutting edge of delivering broadband services to its subscribers," said Tony Wilson, Director of National Accounts for Alpha. *"DTC's experience is another example of how our LPS36 interoperates with broadband devices containing integrated down-converters. Line power not only saves capital by reusing the copper cable, but also provides a more reliable and resilient access network by utilizing power from the CO."*

DeKalb Telephone Cooperative, Inc. (DTC) is a local telephone company serving over 13,000 subscribers over 4 counties and 10 exchanges in rural Tennessee. Founded in 1951 to provide basic telephone service, DTC has progressed to advanced communications services, including wireless service, Internet access, high speed data services, special calling features, voicemail, DTC TV and security services. DTC also provides the most sophisticated technological services for businesses with customized systems and dedicated support.

For over 35 years, Alpha Technologies has been an industry pioneer and global leader in the design and manufacture of AC and DC power. Our distinctive excellence is the ability to innovate and quickly deliver optimized solutions for our customers' unique powering challenges in the Telecom, Cable Broadband, Traffic and ITS, Industrial and Renewable Energy industries. Alpha's TL 9000 certified quality system, award-winning product strategy and continuous improvement/operational excellence program focuses on achieving complete customer satisfaction and supplying solutions of the highest quality, value and reliability. For more information, visit www.alpha.ca/linepower

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