

Multiplexers transmit up to 16 channels



A new line of multiplexers, designed to transmit up to 16 channels of bi-directional electrical information over a pair of fiber optic cables, has been introduced by Ultra Electronics. The new multiplexers, the MX-Series, feature input/output module selections that include 4-20 mA, 0-10 VDC, contact closure and RS-232/485. The MX Base Unit connects directly to the fiber optic cable and provides a visual indication of the fiber link status. Power is supplied to the Base Unit through an external 24 VDC power supply. Each base unit has a duplex optical port configured for use with 1300-nm wavelength, single or multi-mode optical fiber and is capable of supporting distances up-to 80km between points. An integrated backplane allows for communications from the Base Unit to the input/output modules with no external wiring. No programming is required, and installation does not require an engineer. The MX Series Multiplexer carries the relevant certifications for use in hazardous environments (ATEX, CE and FM), making it appropriate for applications that include remote data acquisition and signal transmission in lightning-prone locations and hazardous areas. The I/O Modules are available in 2- and 4-channel versions, and all MX-Series Multiplexer modules mount on 35mm Din Rail. Markets served include oil and gas, mining, security, emissions monitoring systems and automation control.

Ultra Electronics

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