

FIBER OPTIC AND ETHERNET TRANSMISSION PRODUCTS
NEW PRODUCTS



PREVIEW **PRODUCT DESCRIPTION**



CopperLine® Ethernet-over-Copper Extender With 30W PSE PoE

- Transmits one, four, eight, or sixteen individual Ethernet data channels with PoE+ Power Injection or IEEE 802.3at Pass-through PoE+ over standard UTP or Coaxial cable
- Extends Ethernet distances up to 914 m at 10 Mbps or 610 m at 100 Mbps over UTP cable
- Extends Ethernet distances up to 1524 m at 10 Mbps or 610 m at 100 Mbps over Coaxial cable
- Full 10/100 Mbps Bandwidth
- Symmetric Bandwidth with virtually zero packet loss over the total usable distance
- CopperLine® Ethernet over Copper distance extending SFP available for use in standard SFP slots



Media Converters (including PoE capability)

- Full selection of electrical to optical media converters.
- Transmits 100BaseTX and/or 1000BaseT via single mode and multimode fiber.
- Fixed optic and small-form-factor pluggable optics (SFP) models available
- Available in one or two-fiber designs and ST, SC and LC connector types.
- One channel per unit, miniature or two channel ComFit interchangeable size.
- New media converter including the PoE capability for up to 60 Watts.



Self-Managed Switches (SMS)

- 4 to 6 port 100/1000MB switches with fiber or copper connectivity
- SMS feature prevent multicast flooding especially in CCTV applications
- Wall, Rack and Din rail Mountable
- Fixed fiber ports 100FX or SFP slots up to 1000FX
- Supports Point to Point, Daisy chain, Ring (RSTP, selected models only) topology
- PoE up to 60 Watt
- DIP Switch Configuration, No programming required

ONE SOURCE TO SATISFY ALL YOUR SIGNAL TRANSMISSION REQUIREMENTS

PREVIEW

PRODUCT DESCRIPTION



Next Generation Managed Ethernet Switches

- Hardened Ethernet switches operate in environments with extreme temperature and vibration conditions.
- IGMP Snooping V2/V3 for multicast filtering and IGMP Query V1/V2
- Port based VLAN, RSTP, MSTP, DHCP Server
- C-Ring protocol for up to 250 Switches in one ring and healing time of <20ms
- Up to 24 SFP 100FX or 1000FX Slots for flexible use
- Up to 24 full PoE ports with 15.4 W or 30 W
- Up to 28 ports full Gigabit with switching bandwidth up to 56 Gbps
- Electrical Substation-Rated Switches available



NetWave® Wireless Ethernet Transmission

- 95Mbps, 240Mbps and 500Mbps throughput versions available
- Single and dual radio units
- 802.11a/n/ac Compliant
- Distances up to 2km (ETSI)
- Powered by an included power injection module or by an IEEE 802.3af/at PoE compliant device
- Integrated and external antenna options available
- Environmentally Hardened -40° to +75°C IP 67
- ETSI Standards for Europe: DFS Dynamic Frequency Selection, TPC Transmit Power Control
- ComNet Antenna alignment feature eases installation and setup
- LED array displays unit operational status along with received signal strength



Netwave Solar Panel for off grid solutions

- High Efficiency Multi Crystalline Photovoltaic Solar Panel
- Weatherproof powder coated steel enclosure that meets NEMA 4X/IP65 weatherproofing standards
- Valve Regulated Sealed Lead Acid AGM Battery with great low temperature performance to -40°C
- 12 VDC Solar Charge Controller with LCD Screen, Intelligent PWM Charging Mode, Adjustable charging and discharging parameters
- 48 VDC Gigabit PoE Injector, Intelligent Controller for Intelligent PWM Charge, Automatic Temperature Compensation, Adjustable Charge/Discharge Control Parameters



Fiber Transmission for Video, Data, Audio, Contacts

- Video Base-band, cost-effective AM or 8 and 10 bit digitally encoded transmission
- Audio balanced or unbalanced, 24 Bit digitally encoded.
- Point-to-point, drop-and-insert and self-healing ring
- Universal data, Up the Coax (extended Distance), RS232, RS422, 2/4 wire RS485, Manchester, Sensornet and Bi-phase data as well as contacts
- Multiplex solutions (up to 32 channels) for Video, Audio, Data, Ethernet and Contacts
- Miniature size surface mount with DIN Rail options or ComFit interchangeable size.
- Internal In-dome models available for Bosch, Pelco and other manufacturers

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