Corporate Profile – Established in 1990, Meridian Technologies, Inc. is a US-based corporation with its main headquarters located in Elmont, NY. Meridian has worldwide representation and distribution channels. Meridian designs and manufactures equipment for the transmission of video, data & audio over fiber. Our product line consists of a comprehensive portfolio of fiber transport products including a variety of specialty products for key customers and unique applications.

Market Penetration - With its extensive line of products, Meridian's market penetration is one of the most encompassing in the industry. These markets include Security, Professional Audio/Video, Broadcast, Intelligent Transportation, Government/Military, Educational, Distance Learning, and Correctional & Justice Systems, among others.

Trust - Meridian's core values are those which have provided our customers the tools needed to meet their needs and to trust the products and support Meridian's staff offers. These include: Proven years of experience, Application and system design support, Product versatility, Market penetration, and, most importantly, exceptional Customer support.

MERIDIAN'S CORE VALUES

Proven years of experience – Meridian's staff has over 130 years of combined experience in all aspects of fiber optics to help ensure that your Meridian fiber system solution is the most efficient and cost effective as possible.

Application & System design support - With our many years of experience in fiber optics, the Meridian engineering and sales staff is uniquely qualified to provide the necessary technical support to ensure that you and your customers get a system solution that will provide unyielding performance in even the most hostile environments for many years. The Meridian staff has the knowledge to provide any type of fiber optic transport system design and application engineering support you may need.

Product Versatility - Meridian's application expertise is evident in the product's design and subsequent versatility. Our flagship product line (DigiFlex) is the industry's most versatile line of fiber transmission products. Designed with individual signal 'personality cards' these DigiFlex products can be configured in thousands of different signal transport ways providing an unprecedented line of both conventional & complex products. With our standard personality signal cards, we can configure most card signal formats from stock – offering 'off-the-shelf' products with unique signal capabilities.

Customer Support - In addition to our product support, we also offer exceptional installation support and system/product troubleshooting. Our trained staff is available to offer assistance with helping you understand the overall system, its components and provide diagnostic support to ensure that your system is fully functional. We recognize that your equipment is used in mission-critical applications. As such, we will do what is necessary and prudent to ensure that your system is active as quickly as possible and that system downtime is kept to a minimum.

MERIDIAN TECHNOLOGIES

High-Performance, Versatile Fiber Optic Transmission Systems

For additional information and application/technical support please visit our website at www.meridian-tech.com or contact:

Main Office
email: sales@meridian-tech.com
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NWBOC
WBE Certified

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DigiSlim™

DigiSlim Product Family

Meridian's single-slot DigiSlim line of fiber optic transport products offers a wide combination of standard and unique Video/Audio/Data signals, packaged in a small, 1-slot card design. From a single-channel, 10-bit digitally-encoded video channel to a full complement of video and multi-channel, bi-directional Audio, Data and Contact Mapping, this DigiSlim product family is by far the most versatile in the industry today. Small, shelf mount modules help complete this product family for an efficient, cost-effective solution to your fiber transport needs.

Product variations include:

- **Single or multiple video**
- **Video w/data**
- **Video w/audio**
- **Video w/audio & data**

- **Multi-channel contact mapping**
- **Up-the-Coax**
- **Aiphone® compatible cards**
- **RGB/DVI**
- **HDI/SDI, 4 channel HDI/SDI w/ CWDM**

Meridian's Universal Chassis

Meridian offers a variety of chassis for our products. These include small 1-slot shelf mount chassis for the DigiSlim products, 2-slot chassis for shelf mounting our DigiFlex products and various 19" rack mount chassis including our new 1RU chassis which can house up to six 1-slot cards. The rack mount chassis are available with either single or dual power supplies as well as SpectraSmart equipped chassis for use with our network monitoring system.

DigiFlex™

DigiFlex Product Family

Meridian's DigiFlex fiber transport systems are unmatched for signal flexibility, configuration and performance. This unique product architecture allows for combinations of signals never before available in a single fiber optic transmission product. These signal personality modules give you unprecedented selections to create a custom-built product with off-the-shelf availability to meet your exact application.

These 'Personality Cards' include selections for:

- **Optical**
- **Video**
- **"Up-the-coax"**
- **Audio**

- **Data**
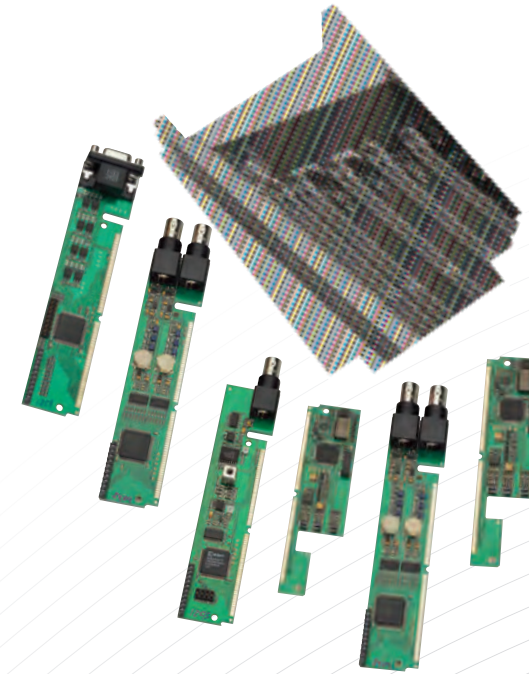- **Contact mapping**
- **Ethernet**

These Personality cards are available with single or multiple channels, one way or bi-directional to give you exceptional signal flexibility. This DigiFlex product system is also available in Singlemode, Multimode or CWDM optical variation.

Products available for applications such as:

- **Video conferencing**
- **Remote visitation & arraignment**
- **Multi-channel contact mapping**
- **Multi-channel Up-the-Coax**
- **Video transport**
- **Audio transport**
- **Complex CWDM system transport**

DigiFlex Features

• Wide variety of personality modules for exceptional flexibility • Meets RS-250C transmission specifications, with NTSC, PAL, and SECAM compatibility Real-time uncompressed video • Up to 8 video channels in one module • Up to 128 video channels over our CWDM system • 8- and 10-bit video • Multiple Up-the-Coax video/data channels per module • Support for video, 24-bit audio, data, and contact mapping • RS-232, RS-422, RS-485, Bi-phase, Manchester data formats • Local LED status indicators to monitor critical performance parameters • Hot-swappable cards eliminate need to power down system for maintenance or upgrades • Optional SpectaSmart™ management and diagnostic software for security and reliability • For data sheets of popular product configurations, visit www.meridian-tech.com • Online product configurator to design your own unique products

DigiFlex Product Configurator
Visit our website (www.meridian-tech.com) to use our "Product Configurator" tool to custom design a DigiFlex product specific to your needs.

Meridian's SpectraSmart Network (Optional)

Only SpectraSmart ™ combines the easy to use GUI with monitoring and control capabilities this powerful. The result: a real-time look into the status and integrity of your fiber-optic system. By continuously monitoring the signal integrity of cameras, fiber, modems, interconnects, video matrix switches, and other key equipment, SpectraSmart gives real-time identification of faults and out-of-tolerance conditions. Visual and audible alarms alert security personnel of the condition, its probable cause, and suggested corrective actions.

SpectraSmart™ diagnostic software gives you a powerfull realtime tool for maintaining the integrity of your digital fiber optic system

DigiNet™

DigiNet Product Family

Meridian's line of Ethernet products includes Media Converters, Managed Switches, Unmanaged Switches, PoE switches, Power supplies and SFP optical modules for various fiber optic infrastructures.

DigiNet Features

Meridian's DigiNET products are part of our expanding line of fiber communications products to provide a full complement of products to consultants, integrators, dealers and end users. The key features of this DigiNET product line include the following:

- Industrial temperature rating for extreme environments
- Either dual or triple power supply redundancy for exceptional network reliability
- Combo & SFP optical ports for exceptional flexibility
- Available with 10/100 & GigE variations on select switches
- Managed switches with SpectraVISION management software
- PoE and PoE+ (30Watt) available on select switches

Small-Form Pluggable (SFP) Optical Devices

Meridian offers a comprehensive line of SFP optical devices our DigiNET products. These enable you to easily configure your product for the specific fiber type and application. They are available for multimode & singlemode fiber for which you can specify operating distances from 500 meters up to 60km. One and two fiber versions are available using SC and LC optical connectors. CWDM wavelengths are also available.

Power Supplies

Meridian offers a selection of power supplies for each of the DigiNet products. Power supplies are available for standard switches and media converters. Our high power line of power supplies are ideally suited for the DigiNET POE & POE+ switches.

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