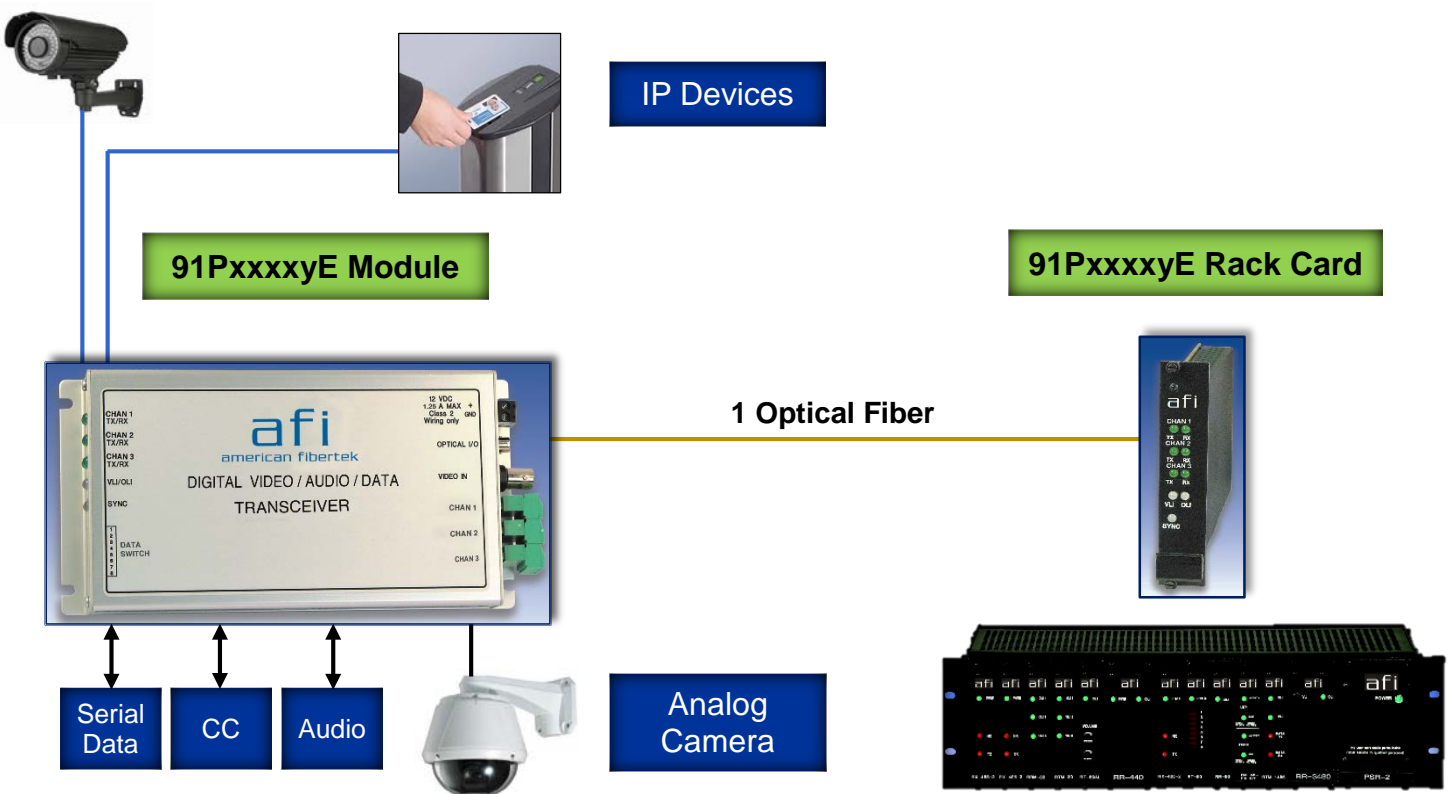


Multi-Functional Series 91PxxxxyE Platform

Analog Video, Ethernet, Bi-directional Audio, Multi-Protocol Data, Contact Closure

Overview

This document illustrates how afi's innovative and highly flexible 91PxxxxyE platform can be utilized to seamlessly integrate (bridge-the-gap) between Analog Video Systems and IP based technologies, on 1 optical fiber.



The 91PxxxxyE product platform digitizes and transports one analog video channel, a 10/100Mb/s Fast Ethernet Channel supporting two Ethernet ports, optional two bidirectional audio channels, and up to four optional Multi-protocol Data or Contact Closure channels over a fiber link. All product variations are available for both multimode and singlemode applications.

The optional Multi-Protocol Data (MPD) or Contact Closure channels provide additional transport for any combination of bi-directional data or bidirectional contact closure. The MPD features support RS232, RS485 2W/4W and RS422 and are protocol selectable using rear panel dipswitches. The standard Contact feature utilizes normally open (NO) dry contact relays as the default. Normally closed (NC) relay option is also available (consult factory).

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The 91PxxxxyE is designed with installation friendly connectors that support various signal types. Video input and output is provided on a standard 75ohm BNC connector. Each of the two 10/100 Ethernet port provided uses a standard RJ45. A high-density 25 pin D connector is used for the data or contact inputs, the data or contact-relay outputs and the audio input and output connections. To facilitate making connections to the D-connector, afi provides an adapter board that performs a D-connector to terminal block conversion.

“D” Style Connector to Terminal Block Adapter



Configuration Options

The simplest product configuration is the MT/RR-91PE (multimode) or MT/RR-91PESL (singlemode) which supports one channel of analog video and two 10/100 BaseTX Fast Ethernet ports. This product option is housed in single PCB card extrusion or rack card assembly since an upper board is not required to support the option modules and audio channels.

The MT/RR-91P8E, (SL) supports one channel of analog video and two 10/100 BaseTX Fast Ethernet ports on the lower board in combination with 2 channels of audio which are provided on the upper board. The upper main board attaches to the lower board via an interface header connector. This product configuration is housed in a double PCB card extrusion or rack card assembly. The audio channels are an option and are designated by the number 8 in the part number.

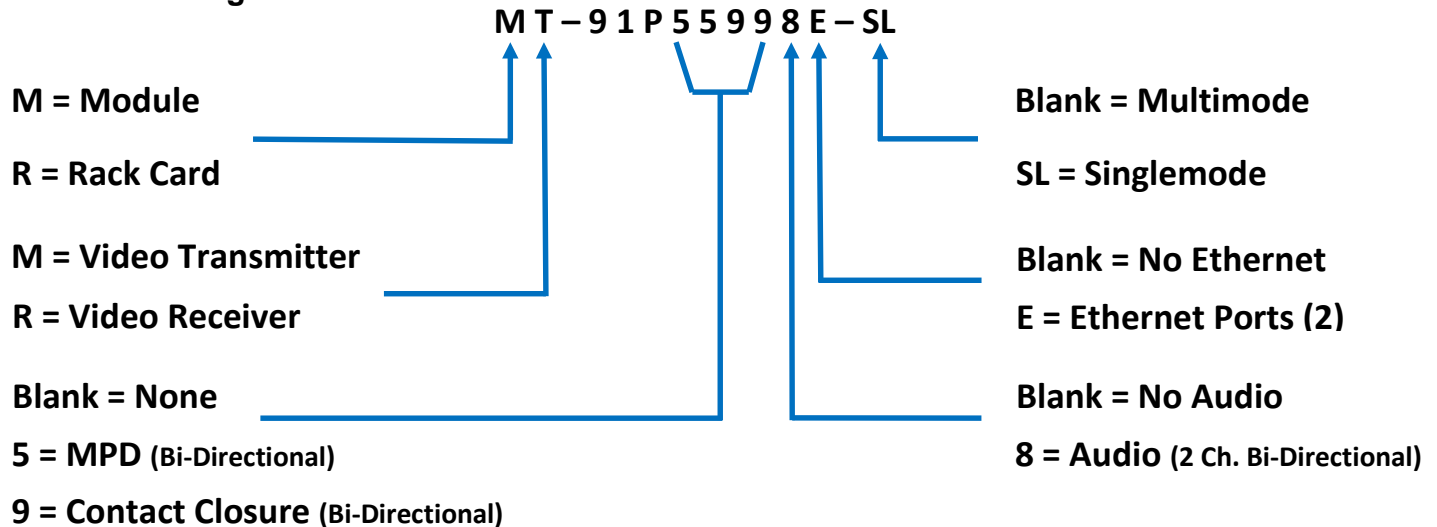
The MT/RR-91Pxxxx8E, (SL) supports one channel of analog video and two 10/100 BaseTX Fast Ethernet ports. Two channels of audio and up to four optional MPD data or contact closure channels are also supported. This product configuration is also housed in a double PCB card extrusion or rack card assembly.



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Model Configuration



Example: 91P55998E-SL

2 MPD Data, 2 Contact Closure, Audio, Ethernet - Singlemode

Environmentally Hardened
Temperature (Operating) -40°C to +75°C, non-condensing

Affinity Remote Diagnostic Monitoring Option

Remote diagnostic monitoring is available (per factory request) on specific platform configurations

Link to product data sheet

<http://www.americanfibertek.com/products/model-number-search?keyword=91P>

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website: www.americanfibertek.com