

## Plexstar® DWDM Products

## DWDM

### Product Function:

- Receive data in different formats: Receive client data in the form of 10G/40G Ethernet, STM64, STM256, 10G Fiber Channel, etc.  
**Note:** Plexstar SFP+ and XFP transponders generate stable and specific laser those carry modulated digital data.
- Combine/separate different colors ( $\lambda$ ): Plexstar DWDM116P-40G combines 16 colors ( $\lambda$ ) and transmits those through a common fiber. At the receiving end it separates 16 colors ( $\lambda$ ).
- Optical amplification: Plexstar EDFA40 optically amplifies all colors together without optical-electrical-optical conversion. These are used in repeating stations.
- Deliver data: Plexstar TP10G can be used as repeater or can be placed at the client side functioning as transponder instead of SFP+ and XFP transponders.

### Product Description:

#### DWDM116P-40G

Plexstar® DWDM116P-40G is a 16-channel duplex DWDM multiplexing device. It combines and transmits 16 signals in different colors ( $\lambda$ ) simultaneously on the same fiber. In effect, one fiber is transformed into 16 virtual fibers. Each virtual fiber can transmit different protocols with different bit-rate traffic without interfering with other channels.



### Benefits:

- Increases capacity of a fiber-pair by using multiple DWDM wavelengths
- Low capex bandwidth upgrade

### Product Highlights:

- Special DWDM transponder SFPs
- Transmission up to 80km in a single hop
- Low insertion loss and high isolation
- Any data rate up to 40G
- Any protocol (full protocol transparency)
- SDH STM-1, STM-4, STM-16, STM-64, STM-256
- Mux/Demux over a pair of fibers
- High reliability

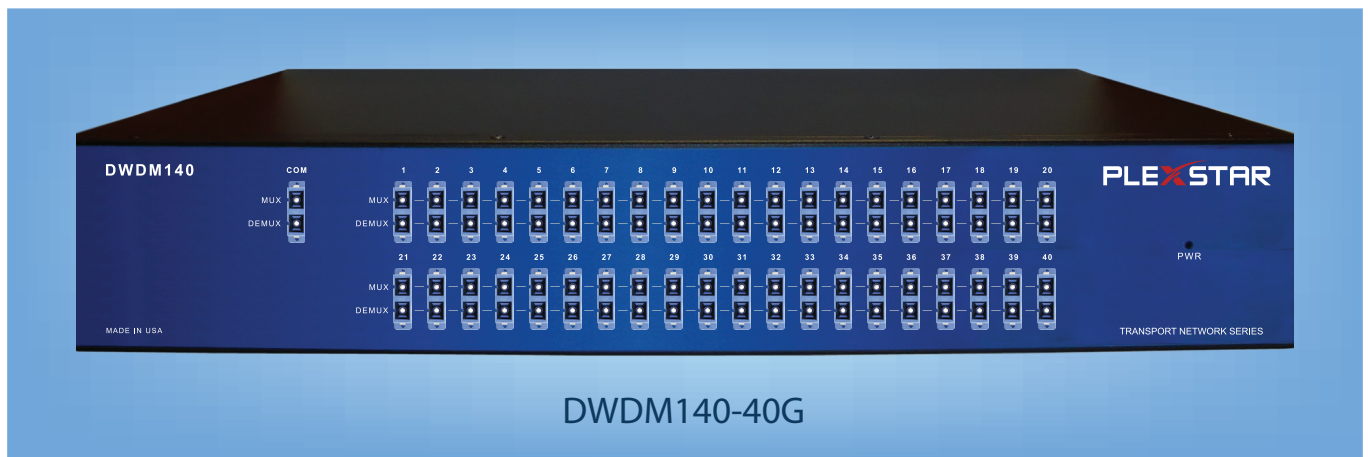
## Models:

- DWDM116P - 16 lambdas, MSP protected (1+1)
- DWDM116 - 16 lambdas

## Product Description:

### DWDM140-40G

Plexstar® WDM140-40G is a 40-channel duplex DWDM multiplexing device. It combines and transmits 40 signals in different colors ( $\lambda$ ) simultaneously on the same fiber. In effect, one fiber is transformed into 40 virtual fibers. Each virtual fiber can transmit different protocols with different bit-rate traffic without interfering with other channels.



## Benefits:

- Increases capacity of a fiber-pair by using multiple DWDM wavelengths
- Low capex bandwidth upgrade

## Product Highlights:

- Special DWDM transponder SFPs
- Transmission up to 80km in a single hop
- Low insertion loss and high isolation
- Any data rate up to 40G
- Any protocol (full protocol transparency)
- SDH STM-1, STM-4, STM-16, STM-64, STM-256
- Mux/Demux over a pair of fibers
- High reliability