

# SVR-STARMUX-XXXX

## Starview Coarse Wavelength Division Multiplexing(CWDM)



Starview Mux/ Demux Module



Starview Rack Mount Chassis



16 Channel CWDM Mux/Demux

### Features

- Duplex/ Simplex Fiber on line port
- Duplex CWDM fiber connection on client port
- 8CH/ 9CH/ 16CH/ 18CH Point-to-Point connectivity
- Small enclosure module for 8CH/ 9CH STARMUX
- 19" rack mount for 16CH/ 18CH STARMUX

### Applications

- Line Monitoring
- WDM Network
- Fiber Optical amplifier



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### Specifications

#### 4 Channel Mux/Demux Specific Optical Specs

Operating Wavelength:	1500nm ~ 1620nm
Center Wavelength ( $\lambda_c$ ):	1510nm ~ 1610nm
Max Insertion Loss:	1.7 dB/channel

#### 5 Channel Mux/Demux Specific Optical Specs

CWDM Operating Wavelength:	1500nm ~ 1620nm
CWDM Center Wavelength ( $\lambda_c$ ):	1510nm ~ 1610nm
1310nm Ch. Operating Wavelength:	1260nm ~ 1360nm
1310nm Ch. Center Wavelength ( $\lambda_c$ ):	1310nm
CWDM Max. Insertion Loss:	2.0 dB/channel
1310nm Ch. Max Insertion Loss:	1.0 dB/channel
1310nm Ch. Port Isolation:	30 dB Min. (@CWDM bands)

#### 8/9 Channel Mux/Demux Specific Optical Specs

Channel Wavelength	1270nm ~ 1610nm
Center wavelength Accuracy	$\pm 0.5$ nm
Channel Spacing	20 nm
Channel Passband @-0.5dB bandwidth	>13 nm
Insertion Loss	$\leq 2.5$ dB
Channel Uniformity	$\leq 1.0$ dB
Channel Ripple	0.3 dB
Isolation Adjacent	>30 dB (Demux)
Isolation Non-adjacent	>40 dB (Demux)

#### 16/18 Channel Mux/Demux Specific Optical Specs

Channel Wavelength	1270nm ~ 1610nm
Center wavelength Accuracy	$\pm 0.5$ nm
Channel Spacing	20 nm
Channel Passband @-0.5dB bandwidth	>13 nm
Insertion Loss	$\leq 3.5$ dB
Channel Uniformity	$\leq 1.5$ dB
Channel Ripple	0.3 dB
Isolation Adjacent	>30 dB (Demux)
Isolation Non-adjacent	>40 dB (Demux)

#### 1 Channel Optical Add/Drop (4 ch. group) Specific Optical Specs

Operating Wavelength:	1500nm ~ 1620nm
Center Wavelength ( $\lambda_c$ ):	1510nm ~ 1610nm
Add/Drop Ch. Max Insertion Loss:	0.7 dB
Pass Ch. Max Insertion Loss:	1.0 dB

#### 1 Channel Optical Add/Drop (8 ch. group) Specific Optical Specs

Operating Wavelength:	1500nm ~ 1620nm
Center Wavelength ( $\lambda_c$ ):	1510nm ~ 1610nm
Add/Drop Ch. Max Insertion Loss:	0.7 dB
Pass Ch. Max Insertion Loss:	1.0 dB

#### General Optical Specs(applies to all CWDM configurations)

Insertion Loss Temperature Sensitivity (dB/°C)	<0.005
Wavelength Temperature Shifting (nm/°C)	<0.002
Polarization Dependent Loss (dB)	<0.1
Polarization Mode Dispersion (PS)	<0.1
Directivity (dB)	>50
Return Loss (dB)	>45
Maximum Power Handling (mW)	500

#### Environment

Operating Temperature (°C)	-5~+75
Storage Temperature (°C)	-40~85

Note: Above specification are for device without connector

# SVR-STARMUX-XXXX

## Ordering Information

### SVR-STARMUX-19R

Starview 19" Rack Mountable STARMUX chassis for up to 2 x STARMUX module

### SVR-BRACKET-23

Starview L-Bracket - 23" RACK MOUNT EAR KIT for STARMUX and STARTAP chassis

### STARMUX Duplex Mux/Demux

#### SV-STARMUX-827-DLC

Starview STARMUX 8 Channel Mux/ Demux Module with CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410nm and 1 x Duplex LC/UPC COM port

#### SV-STARMUX-847-DLC

Starview STARMUX 8 Channel Mux/ Demux Module with CWDM wavelengths 1470/ 1490/1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 1 x Duplex LC/UPC COM port

#### SV-STARMUX-947-DLC

Starview STARMUX 9 Channel Mux/ Demux Module with CWDM wavelengths 1310/ 1470/ 1490/ 1510/ 1530/ 1550/ 1570/ 1590/ 1610 and 1 x Duplex LC/UPC COM port

#### SVR-STARMUX-1627-DLC

Starview 19" Rack Mountable STARMUX chassis with 16 x CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410/ 1470/ 1490/1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 1 x Duplex LC/UPC COM port

#### SVR-STARMUX-1827-DLC

Starview 19" Rack Mountable STARMUX chassis with 16 x CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410/ 1470/ 1490/1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 1 x Duplex LC/UPC COM port

### STARMUX Simplex Mux/ Demux

#### SV-STARMUX-827-SLC

Starview STARMUX 8 Channel Mux/ Demux Module with CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410nm and 1 x Simplex LC/UPC COM port

#### SV-STARMUX-847-SLC

Starview STARMUX 8 Channel Mux/ Demux Module with CWDM wavelengths 1470/ 1490/ 1510/ 1530/ 1550/ 1570/ 1590/ 1610 and 1 x Simplex LC/UPC COM port

#### SV-STARMUX-947-SLC

Starview STARMUX 9 Channel Mux/ Demux Module with CWDM wavelengths 1310/ 1470/ 1490/ 1510/ 1530/ 1550/ 1570/ 1590/ 1610 and 1 x Simplex LC/UPC COM port

#### SVR-STARMUX-1627-SLC

Starview 19" Rack Mountable STARMUX chassis with 16 x CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410/ 1470/ 1490/1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 1 x Simplex LC/UPC COM port

#### SVR-STARMUX-1827-SLC

Starview 19" Rack Mountable STARMUX chassis with 18 x CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410/ 1430/ 1450/ 1470/ 1490/1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 1 x Simplex LC/UPC COM port

### STARMUX Duplex OADM

#### SV-STARMUX-3AD3149-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 3 Channel CWDM wavelengths 1310/ 1470/ 1490nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-3AD5155-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 3 Channel CWDM wavelengths 1510/ 1530/ 1550nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-3AD5761-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 3 Channel CWDM wavelengths 1570/ 1590/ 1610nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-4AD2733-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1270/ 1290/1310/ 1330nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-4AD3541-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1350/ 1370/ 1390/ 1410nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-4AD4753-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1470/ 1490/1510/ 1530nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-4AD5561-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1550/ 1570/ 1590/ 1610nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-6AD2737-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 6 Channel CWDM wavelengths 1270/ 1290/1310/ 1330/ 1350/ 1370nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-6AD3949-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 6 Channel CWDM wavelengths 1390/ 1410/ 1430/ 1450/ 1470/ 1490nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-6AD5161-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 6 Channel CWDM wavelengths 1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-9AD2743-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 9 Channel CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410/ 1430 and 2 x Duplex LC/UPC COM ports

#### SV-STARMUX-9AD4561-DLC

Starview STARMUX Optical Add and Drop Module (OADM) with 9 Channel CWDM wavelengths 1450/ 1470/ 1490/ 1510/ 1530/ 1550/ 1570/ 1590/ 1610 and 2 x Duplex LC/UPC COM ports

### STARMUX Simplex OADM

#### SV-STARMUX-3AD3149-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 3 Channel CWDM wavelengths 1310/ 1470/ 1490nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-3AD5155-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 3 Channel CWDM wavelengths 1510/ 1530/ 1550nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-3AD5761-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 3 Channel CWDM wavelengths 1570/ 1590/ 1610nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-4AD2733-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1270/ 1290/1310/ 1330nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-4AD3541-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1350/ 1370/ 1390/ 1410nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-4AD4753-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1470/ 1490/1510/ 1530nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-4AD5561-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 4 Channel CWDM wavelengths 1550/ 1570/ 1590/ 1610nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-6AD2737-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 6 Channel CWDM wavelengths 1270/ 1290/1310/ 1330/ 1350/ 1370nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-6AD3949-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 6 Channel CWDM wavelengths 1390/ 1410/ 1430/ 1450/ 1470/ 1490nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-6AD5161-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 6 Channel CWDM wavelengths 1510/ 1530/ 1550/ 1570/ 1590/ 1610nm and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-9AD2743-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 9 Channel CWDM wavelengths 1270/ 1290/ 1310/ 1330/ 1350/ 1370/ 1390/ 1410/ 1430 and 2 x Simplex LC/UPC COM ports

#### SV-STARMUX-9AD4561-SLC

Starview STARMUX Optical Add and Drop Module (OADM) with 9 Channel CWDM wavelengths 1450/ 1470/ 1490/ 1510/ 1530/ 1550/ 1570/ 1590/ 1610 and 2 x Simplex LC/UPC COM ports