STARVIEW
TECHNOLOGIES

Why Programmable High-Speed Transceivers Made Simple?

STARPOD
Program Your Transceivers

Reprogramming Starview Transceivers
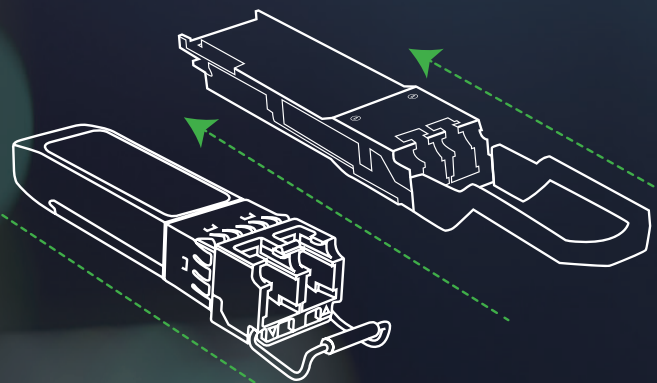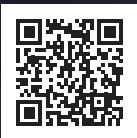
DWDM Wavelength Tuning

Remote Diagnostic

Patent No: US 9,959,110 B2   AU 2014395561
SG 11201604256V   CN ZL201480074114.9

HP
HUAWEI
Juniper
CISCO

STARVIEW

PWR   DATA

QSFP+/ QSFP28/ QSFP56

SFP/ SFP+/ SFP28

SFP

QSFP

STARPOD

Starview Programmable Optical Device

Features

- Programming Kit for Starview SFP/ SFP+/ SFP28 and QSFP+/ QSFP28/ QSFP56
- User friendly graphical user interface(GUI)
- USB port for basic set up
- Multi-vendor programming
- Wavelength tuning for DWDM tunable SFP+ module

Why STARPOD?

1 User friendly interface

Easy to use menu with click and select interface

2 Fast and Efficient

Immediate use of Starview transceiver to work on device after reprogramming

3 Cost Saving

Saves on CAPEX and OPEX with one common type of transceiver

Starview Programmable Optical Device (STARPOD) is designed to allow the user to re-program Starview transceiver modules (typically SFP/SFP+ and QSFP+/QSFP28/QSFPP56) in the field. The STARPOD is also capable to tune the DWDM wavelengths of the DWDM tunable SFP+ module. This flexibility to re-program the transceiver module allows the user to connect the module to interwork with multiple leading vendors. The user will save time and money to support the wide varieties of networking equipment today.

Using STARPOD with a computer, the user re-programs the transceiver module in less than a minute. After re-programming, the transceiver module can work with the leading vendor of choice. The module can be re-programmed as many times as required.

Starview Technologies offers a wide range of highly reliable transceiver modules allowing the user to protect their investment cost especially with STARPOD.

STARPOD Purchase vs Transceiver Purchase

Using STARPOD, you recover your investment by re-programming and re-using your transceivers multiple times. If you are keeping transceivers as spares to support multiple brands of network equipment, a single generic type of Starview transceiver is only needed. You program Starview transceivers as needed, instead of keeping multiple transceivers of the same type for different equipment brands. Transceivers can also be preconfigured before delivery. You decide what is best for you.

One time Cost:	Purchase price of STARPOD. Only 1 transceiver type is needed for each network equipment brand. You program as needed	One time Cost:	At least 1 transceiver of each type, multiplied by number of network equipment brand
Running costs:	None	Running costs:	Multiple transceivers needed for each brand, even if they are of the same type

STARPOD - Transceiver Database and more....

- CISCO
- Juniper
- Alcatel Lucent Enterprise
- Extreme Networks
- Dell
- Huawei
- HP Enterprise
- H3C
- Arista Networks
- Transition Networks

- Aruba
- BTI
- Intel
- EXFO
- Viavi
- Allied Telesis
- Tellabs
- ALAXLA Networks
- PacketLight
- Netscout

- Adtran
- Brocade
- Ericsson
- RAD
- Avaya
- Nokia
- VSS Monitoring
- Gigamon
- Cyan
- Hitachi Metals

- Edge-core
- Anritsu
- ECI
- Mellanox
- Ubiquiti
- Ciena
- D-Link
- And many more...

Specifications

Modules	SFP/ SFP+/ SFP28 and QSFP+/ QSFP28/ QSFP56
Data Rate/Wavelength/Distance	As per module data rate
Dimension	Width: 4.09" [104 mm] Depth: 4.21" [107 mm] Height: 1.18" [30 mm]
Power Input	USB
Operating System	Microsoft Windows 7 and above
Warranty	2 Years

Supported Wavelengths for Tunable DWDM SFP+ Transceivers

The following table provides correlation of the ITU-frequency DWDM channel number, wavelength and frequency

## ITU Channel	Wavelength	Frequency (THz)	## ITU Channel	Wavelength	Frequency (THz)	## ITU Channel	Wavelength	Frequency (THz)
11.5	1568.36	191.15	28	1554.94	192.80	44.5	1541.75	194.45
12	1567.95	191.20	28.5	1554.54	192.85	45	1541.35	194.50
12.5	1567.54	191.25	29	1554.13	192.90	45.5	1540.95	194.55
13	1567.13	191.30	29.5	1553.73	192.95	46	1540.56	194.60
13.5	1566.72	191.35	30	1553.33	193.0	46.5	1540.16	194.65
14	1566.31	191.40	30.5	1552.93	193.05	47	1539.77	194.70
14.5	1565.90	191.45	31	1552.52	193.10	47.5	1539.37	194.75
15	1565.50	191.50	31.5	1552.12	193.15	48	1538.98	194.80
15.5	1565.09	191.55	32	1551.72	193.20	48.5	1538.58	194.85
16	1564.68	191.60	32.5	1551.32	193.25	49	1538.19	194.90
16.5	1564.27	191.65	33	1550.92	193.30	49.5	1537.79	194.95
17	1563.86	191.70	33.5	1550.52	193.35	50	1537.40	195.0
17.5	1563.45	191.75	34	1550.12	193.40	50.5	1537.00	195.05
18	1563.05	191.80	34.5	1549.72	193.45	51	1536.61	195.10
18.5	1562.64	191.85	35	1549.32	193.50	51.5	1536.22	195.15
19	1562.23	191.90	35.5	1548.91	193.55	52	1535.82	195.20
19.5	1561.83	191.95	36	1548.51	193.60	52.5	1535.43	195.25
20	1561.42	192.0	36.5	1548.11	193.65	53	1535.04	195.30
20.5	1561.01	192.05	37	1547.72	193.70	53.5	1534.64	195.35
21	1560.61	192.10	37.5	1547.32	193.75	54	1534.25	195.40
21.5	1560.20	192.15	38	1546.92	193.80	54.5	1533.86	195.45
22	1559.79	192.20	38.5	1546.52	193.85	55	1533.47	195.50
22.5	1559.39	192.25	39	1546.12	193.90	55.5	1533.07	195.55
23	1558.98	192.30	39.5	1545.72	193.95	56	1532.68	195.60
23.5	1558.58	192.35	40	1545.32	194.0	56.5	1532.29	195.65
24	1558.17	192.40	40.5	1544.92	194.05	57	1531.90	195.70
24.5	1557.77	192.45	41	1544.53	194.10	57.5	1531.51	195.75
25	1557.36	192.50	41.5	1544.13	194.15	58	1531.12	195.80
25.5	1556.96	192.55	42	1543.73	194.20	58.5	1530.72	195.85
26	1556.55	192.60	42.5	1543.33	194.25	59	1530.33	195.90
26.5	1556.15	192.65	43	1542.94	194.30	59.5	1529.94	195.95
27	1555.75	192.70	43.5	1542.54	194.35	60	1529.55	196.0
27.5	1555.34	192.75	44	1542.14	194.40	60.5	1529.16	196.05

Ordering Information

SV-STARPOD2-USB	Starview Programmable Optical Device (STARPOD) for reprogramming Starview Transceiver modules (SFP/ SFP+/ SFP28/ QSFP+/ QSFP28/ QSFP56) to support various manufacturer's coding, c/w USB cable and AC/DC power adapter. STARPOD software can be downloaded at www.starviewtech.net