



ACON Group

11/2020







ACON Optics O/E System Integration BU

We are enabling high speed interface connection through fiber-optics technology to provide long distance, high bandwidth and EMI free link



2020/11

Speedy Series

Copper SFP

10Gbps
NBaseT
1Gbps
100Mbps

Reality Series

Extender

USB
DisplayPort
HDMI
SDI

Eternal Series

Broadcasting

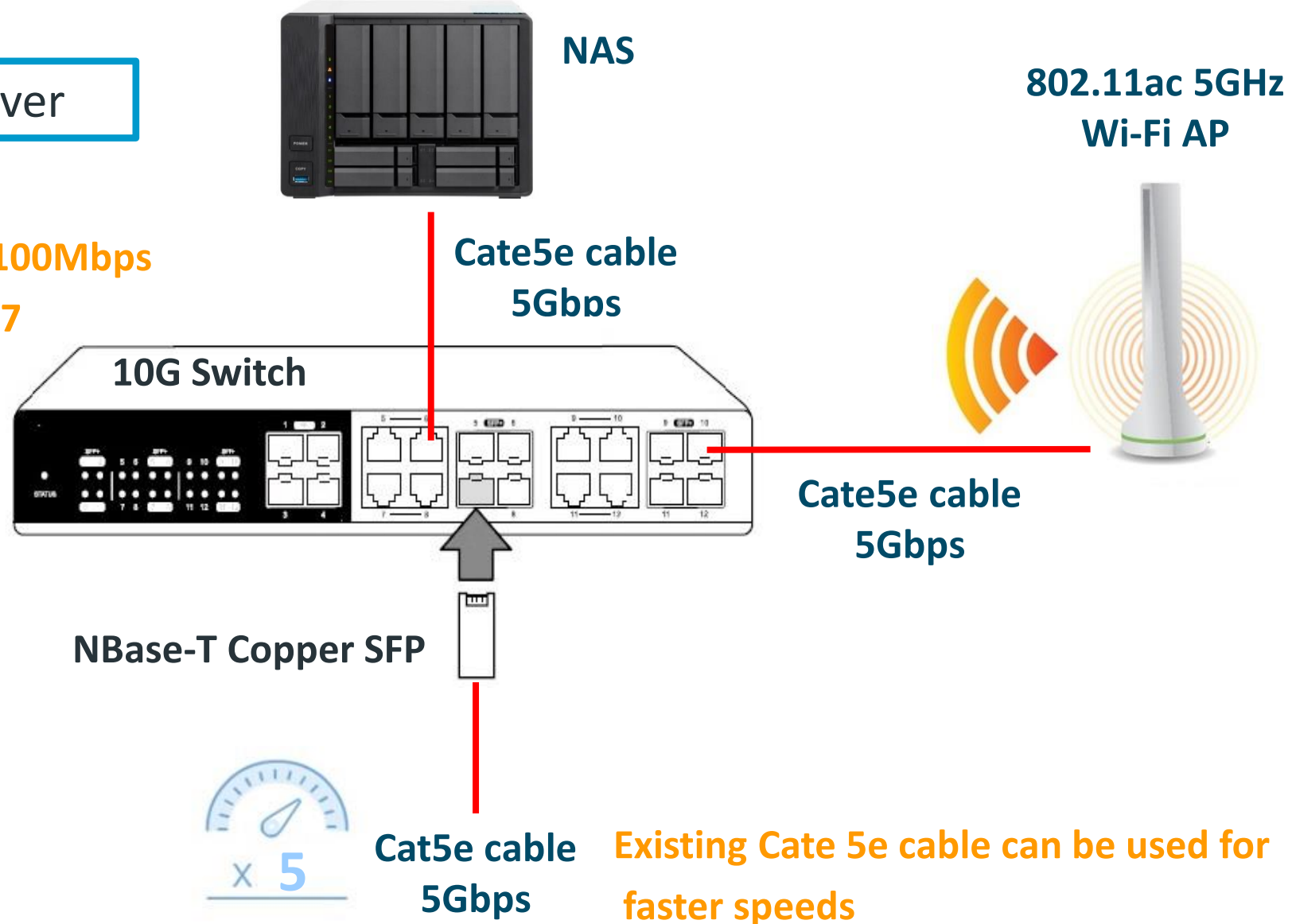
MRT PIDS
MRT KVM
Optical Matrix

Copper SFP Transceiver overview

Speedy Series - NBase-T Copper SFP

NBase-T Copper SFP transceiver

- 10Gbps/5Gbps/2.5Gbps/1.25Gbps/100Mbps
- 10Gbps links up to 30m over Cat6a/7
- 5Gbps links up to 100m over Cate5e

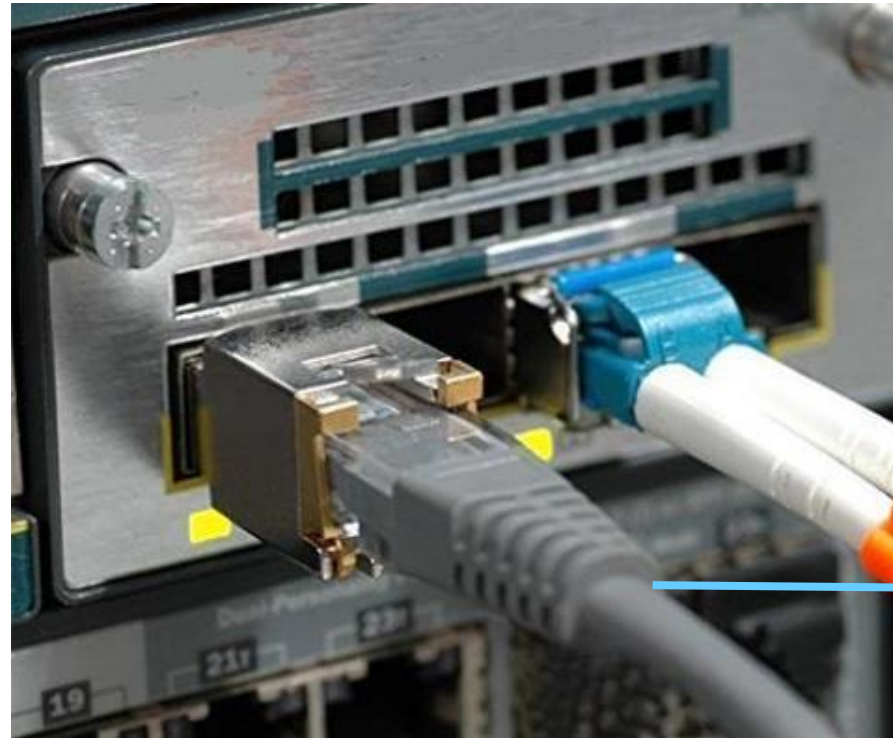


Speedy Series - 2.5 Copper SFP

2.5G Copper SFP transceiver

- Support 2.5Gbps/1.25Gbps/100Mbps
- Existing Cat5e cable can be used for faster speeds.
現有網路線 升級至2.5Gbps

2.5G Copper SFP



Cat5e cable
2.5Gbps
Up to 100m



Copper SFP Series

Copper SFP Series				
Part No.	Data rate	TX Disable	Loss	Reach (m)
AOPT-SFP-8004	10/100/1000Mb/s	Yes	No	100
AOPT-SFP-8005	1000Mb/s	Yes	Yes	100
AOPT-SFP-8006	1000Mb/s	Yes	No	100
AOPT-SFP-8007	10/100/1000Mb/s	Yes	Yes	100
AOPT-SFP-NBT-RJ45	100Mb/1.25G/2.5G/5G/10G/s	No	Yes	100/30
AOPT-SFP-8008	10/100Mb/s	Yes	Yes	100

Fiber Optic Transceiver overview

Speedy Series-Fiber Optic transceiver ACON OPTICS

SFP Series



1.25G series
2.5G series



Bi Di Series



CWDM Series

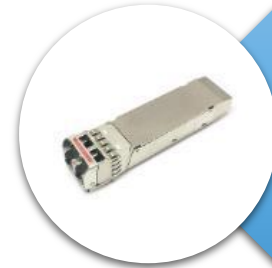
SFP+ Series



6G /10G series
SFP28 series



Bi Di Series



CWDM Series
DWDM Series



1.25G SFP Series

1.25G SFP						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP-1000	1.25Gb/s	850	MM	VSCEL	0.55	LC
AOPT-SFP-1001	1.25Gb/s	1310	MM	FP	2	LC
AOPT-SFP-1002	1.25Gb/s	1310	SM	FP	10	LC
AOPT-SFP-1003	1.25Gb/s	1310	SM	FP	20	LC
AOPT-SFP-1004	1.25Gb/s	1310	SM	DFB	40	LC
AOPT-SFP-1005	1.25Gb/s	1550	SM	DFB	80	LC
AOPT-SFP-1006	1.25Gb/s	1550	SM	DFB/APD	100	LC
AOPT-SFP-1007	1.25Gb/s	1550	SM	DFB/APD	120	LC

Speedy Series, Fiber Optic transceiver - 2.5G SFP



2.5G SFP Series

2.5G SFP						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP-1013	2.5Gb/s	850	MM	VCSEL	0.3	LC
AOPT-SFP-1008	2.5Gb/s	1310	SM	FP	2	LC
AOPT-SFP-1009	2.5Gb/s	1310	SM	DFB	10	LC
AOPT-SFP-1010	2.5Gb/s	1310	SM	DFB	20	LC
AOPT-SFP-1011	2.5Gb/s	1550	SM	DFB	40	LC
AOPT-SFP-1012	2.5Gb/s	1550	SM	DFB/APD	80	LC

1.25G BiDi SFP Series

1.25G Bi Di SFP						
Part No.	Data rate	Wavelength(nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP-2000	1.25Gb/s	T1310/R1550	SM	FP	3	LC
AOPT-SFP-2001		T1550/R1310				
AOPT-SFP-2002	1.25Gb/s	T1310/R1550	SM	FP	10	LC
AOPT-SFP-2003		T1550/R1310		DFB		
AOPT-SFP-2004	1.25Gb/s	T1310/R1550	SM	FP	20	LC
AOPT-SFP-2005		T1550/R1310		DFB		
AOPT-SFP-2006	1.25Gb/s	T1310/R1490	SM	FP	10	LC
AOPT-SFP-2007		T1490/R1310		DFB		
AOPT-SFP-2008	1.25Gb/s	T1310/R1490	SM	FP	20	LC
AOPT-SFP-2009		T1490/R1310		DFB		
AOPT-SFP-2010	1.25Gb/s	T1310/R1550	SM	DFB	40	LC
AOPT-SFP-2011		T1550/R1310				
AOPT-SFP-2012	1.25Gb/s	T1310/R1550	SM	DFB	60	LC
AOPT-SFP-2013		T1550/R1310				
AOPT-SFP-2014	1.25Gb/s	T1490/R1550	SM	DFB	80	LC
AOPT-SFP-2015		T1550/R1490				
AOPT-SFP-2031	1.25Gb/s	T1490/R1550	SM	DFB/APD	100	LC
AOPT-SFP-2032		T1550/R1490				

Speedy Series, Fiber Optic transceiver - 2.5G BiDi SFP



2.5G BiDi SFP Series

2.5G BiDi SFP						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP-2017	2.5Gb/s	T1310/R1550	SM	FP	10	LC
AOPT-SFP-2018		T1550/R1310		DFB		
AOPT-SFP-2019	2.5Gb/s	T1310/R1550	SM	DFB	10	LC
AOPT-SFP-2020		T1550/R1310				
AOPT-SFP-2021	2.5Gb/s	T1310/R1550	SM	DFB	20	LC
AOPT-SFP-2022		T1550/R1310				
AOPT-SFP-2023	2.5Gb/s	T1490/R1550	SM	DFB	40	LC
AOPT-SFP-2024		T1550/R1490				
AOPT-SFP-2025	2.5Gb/s	T1490/R1550	SM	DFB/APD	60	LC
AOPT-SFP-2026		T1550/R1490				
AOPT-SFP-2027	2.5Gb/s	T1490/R1550	SM	DFB/APD	80	LC
AOPT-SFP-2028		T1550/R1490				

Speedy Series, Fiber Optic transceiver – CWDM SFP



CWDM SFP Series

CWDM SFP						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP-3000	155Mb/s	1270-1610	SM	CWDM	80	LC
AOPT-SFP-3001	1.25Gb/s	1270-1610	SM	CWDM	40	LC
AOPT-SFP-3002	1.25Gb/s	1270-1610	SM	CWDM	80	LC
AOPT-SFP-3003	1.25Gb/s	1470-1610	SM	CWDM/APD	100	LC
AOPT-SFP-3004	2.5Gb/s	1270-1610	SM	CWDM	40	LC
AOPT-SFP-3005	2.5Gb/s	1470-1610	SM	CWDM/APD	80	LC



6G SFP+/ 10G SFP+ Series

6G & 10G SFP+						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP+-4000	6.25Gb/s	1310	SM	FP	2	LC
AOPT-SFP+-4001	6.25Gb/s	1310	SM	DFB	10	LC
AOPT-SFP+-SR	10Gb/s	850	MM	VCSEL	0.3	LC
AOPT-SFP+-LRL	10Gb/s	1310	SM	FP	2	LC
AOPT-SFP+-LR	10Gb/s	1310	SM	DFB	10	LC
AOPT-SFP+-ER	10Gb/s	1550	SM	EML	40	LC
AOPT-SFP+-ZR	10Gb/s	1550	SM	EML/APD	80	LC



25G SFP28 Series

25G SFP28						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach	Connector
AOPT-S28-SR	25G/s	850	MM	VCSEL	100m	LC
AOPT-S28-LR	25G/s	1310	SM	DFB	10Km	LC



10G Bi Di SFP+ Series

10G BiDi SFP+						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP+-5000	10Gb/s	T1330/R1270	SM	DFB	10	LC
AOPT-SFP+-5001	10Gb/s	T1270/R1330	SM	DFB	10	LC
AOPT-SFP+-5002	10Gb/s	T1330/R1270	SM	DFB	20	LC
AOPT-SFP+-5003	10Gb/s	T1270/R1330	SM	DFB	20	LC
AOPT-SFP+-5004	10Gb/s	T1330/R1270	SM	DFB	40	LC
AOPT-SFP+-5005	10Gb/s	T1270/R1330	SM	DFB	40	LC
AOPT-SFP+-5006	10Gb/s	T1330/R1270	SM	DFB/APD	60	LC
AOPT-SFP+-5007	10Gb/s	T1270/R1330	SM	DFB/APD	60	LC

Speedy Series, Fiber Optic transceiver – CWDM & DWDM SFP+



CWDM SFP+ Series

CWDM SFP+						
Part No.	Data rate	Wavelength(nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP+-6000	10Gb/s	1270~1450	SM	CWDM	10	LC
AOPT-SFP+-6001	10Gb/s	1470~1610	SM	CWDM	40	LC
AOPT-SFP+-6002	10Gb/s	1470~1610	SM	CWDM	80	LC

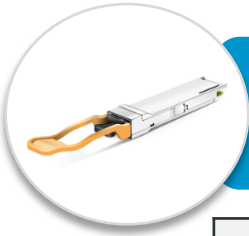


DWDM SFP+ Series

DWDM SFP+						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach (km)	Connector
AOPT-SFP+-7000	10Gb/s	DWDM	SM	DWDM	40	LC
AOPT-SFP+-7001	10Gb/s	DWDM	SM	DWDM	80	LC

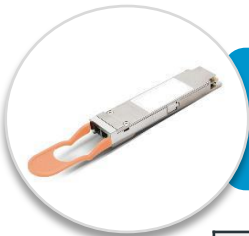
Speedy Series, Fiber Optic transceiver – QSFP Series





40G QSFP+

40G QSFP+						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach	Connector
AOPT-QSFP+-SR	40G/s	850	MM	VCSEL	100m	MPO
AOPT-QSFP+-LR	40G/s	1271~1331	SM	CWDM DFB	10Km	LC

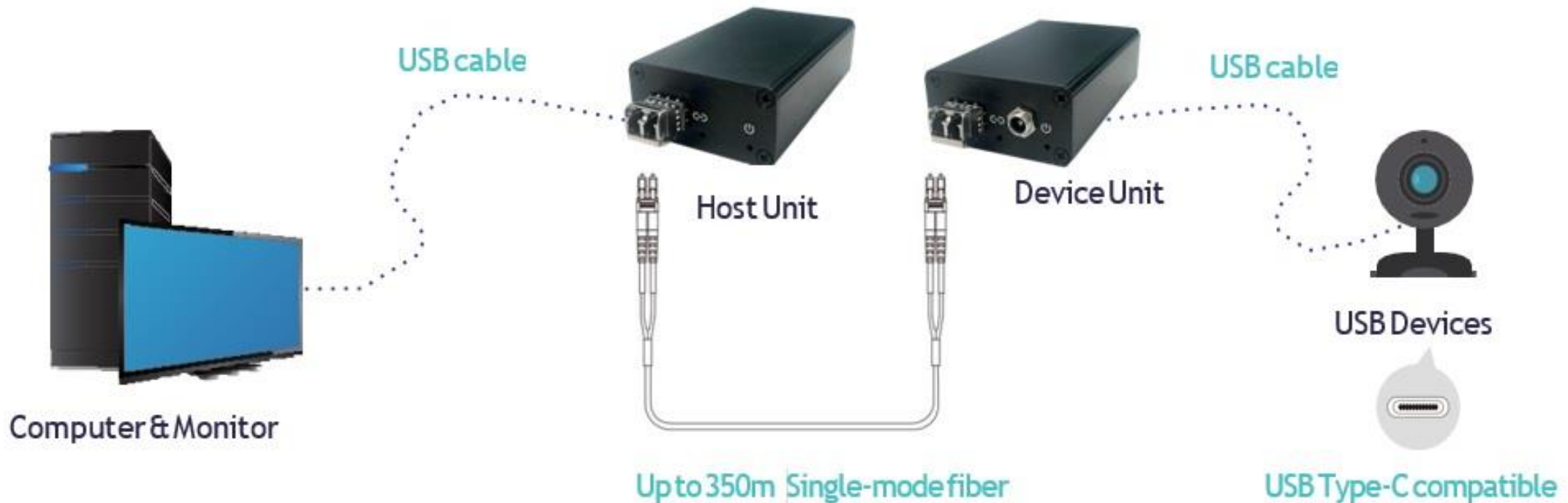


100G QSFP 28

100G QSFP28						
Part No.	Data rate	Wavelength (nm)	Fiber Type	Source	Reach	Connector
AOPT-Q28-SR	100Gb/s	850	MM	VCSEL	100m	MPO
AOPT-Q28-LRL	100Gb/s	1271~1331	SM	CWDM DFB	2Km	LC
AOPT-Q28-LR	100Gb/s	1294~1310	SM	LWDM DFB	10Km	LC

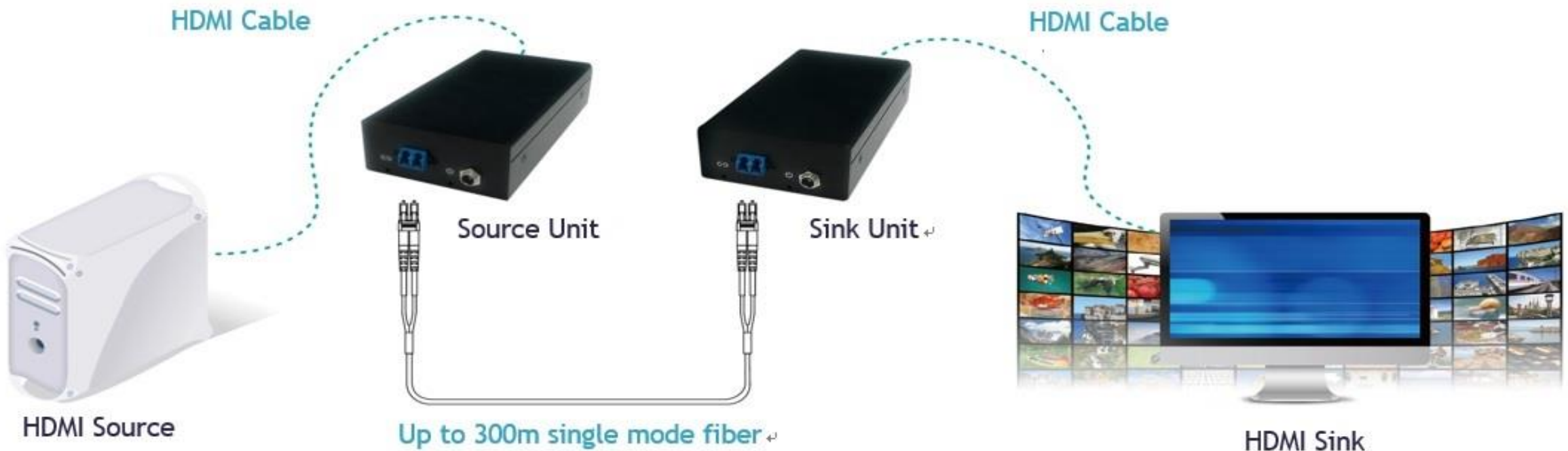
USB3.1 Fiber Extender

- **USB 3.0 or 3.1 Gen1, true 5Gbps link**
- **Support type-C camera (ex: Intel-3D camera)**
- **SM & MM: 350m extension**



HDMI2.0 Fiber Extender

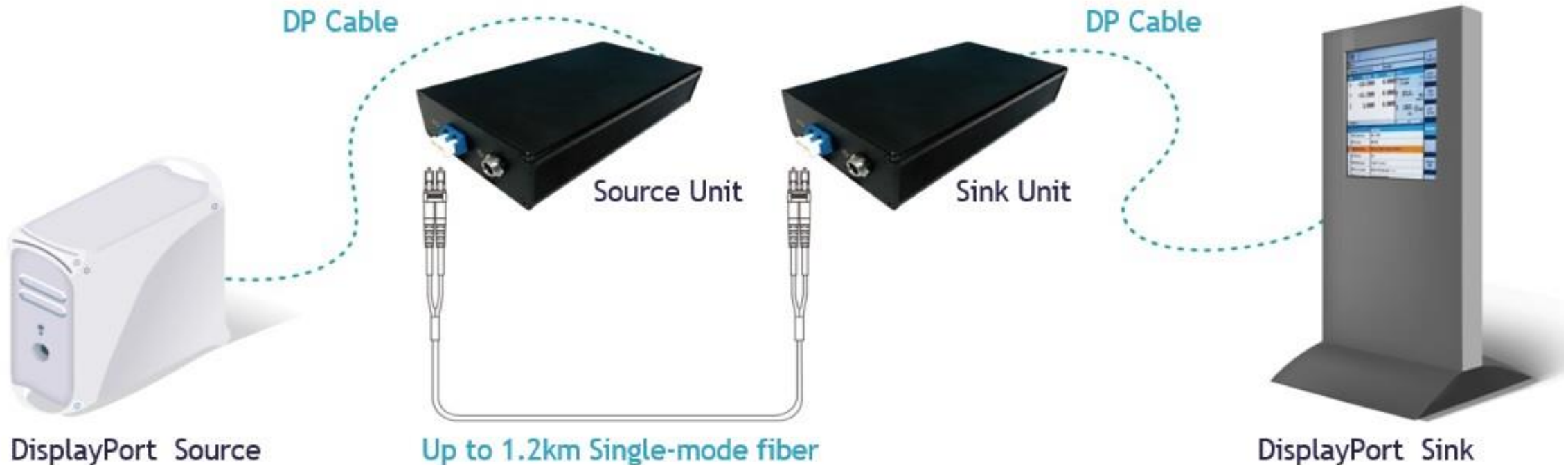
- True 4K/2K@60Hz, non-compression
- Low speed signal pass through design
- SM & MM: 300m extension



Reality Series - Display Port

Display Port 1.4 Fiber Extender

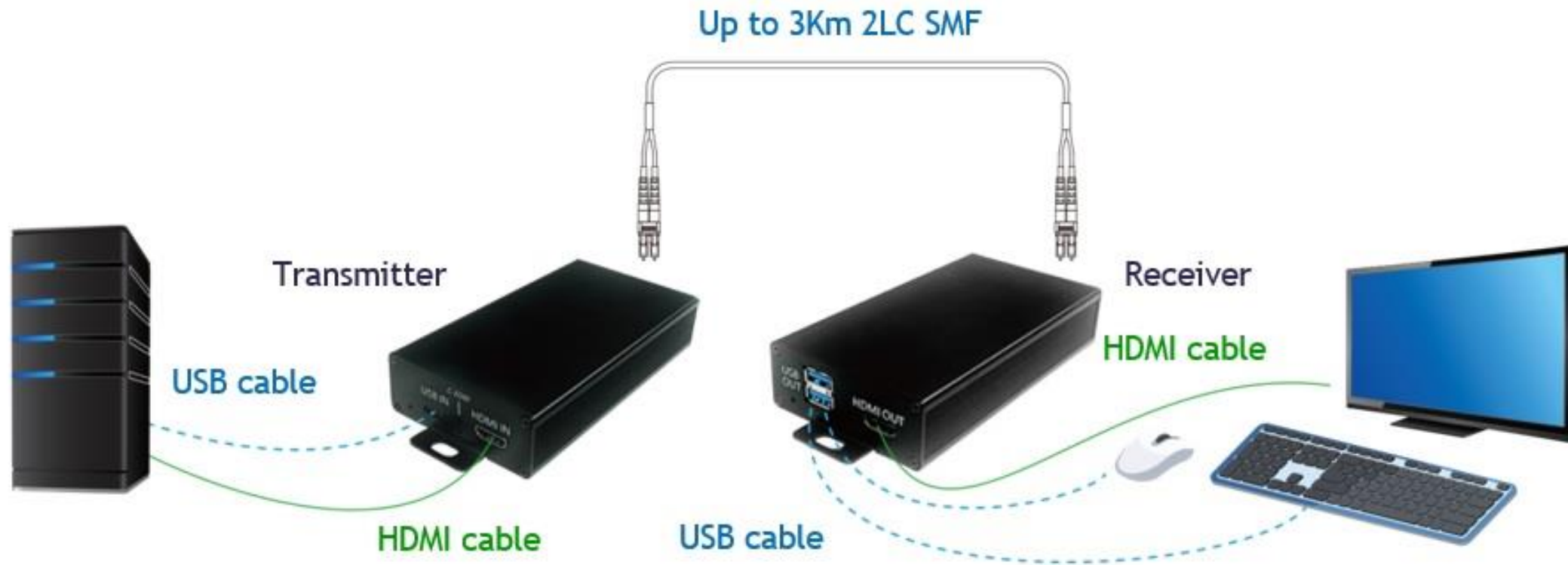
- True 8K/4K@60Hz, non-compression
- Low speed signal pass through design
- SM: 1.2km / MM:300m extension



Eternal Series - HDMI + USB KVM

HDMI + USB KVM Extender

- 4K/2K HDMI video, non-compression
- USB Keyboard & mouse support
- SM: 3km / MM: 300m extension



HDMI 2.0 + USB3.1 KVM Extender

- 4K/2K HDMI video, non-compression
- USB3.1 Gen 1, true 5Gbps link
- SM & MM: 300m extension



DP 1.4 + USB3.1
KVM Extender

- DP 8K/4K video, non-compression
- USB3.1 Gen 1, true 5Gbps link
- SM & MM: 350m extension



HDMI / RS-232 / Audio Extender

- HDMI 4K/2K video, non-compression
- Bi-directional audio & RS-232
- SM: 3km / MM: 300m extension

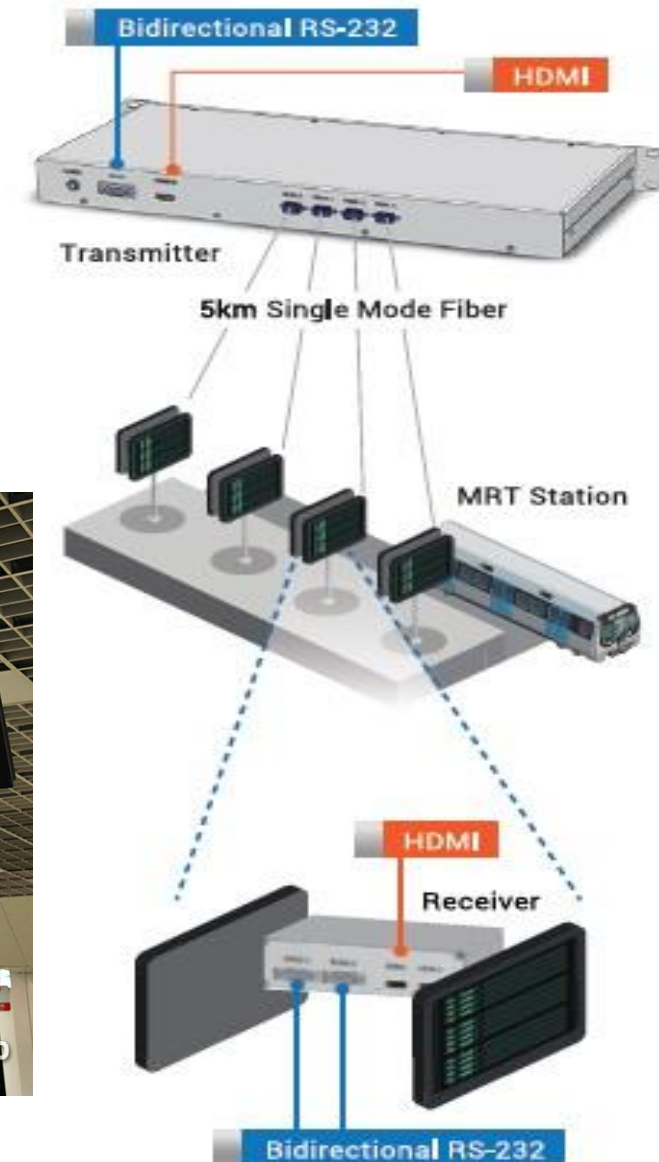


Eternal Series - MRT PIDS extender

MRT PIDS Extender
Passenger Information Display System

Macau Light Rail use

- Install at platform & entrance
- 5km 1080P HDMI transmission
- Bi-directional RS-232 control
- 8 displays support



Eternal Series - Media Converter

Ethernet Fiber Media Converter with Open SFP Slot

- **Copper-to-Fiber conversion**
- **Open optical SFP slot to customize network extension distance**
- **30m@ 10G with Cat6a , 100m@10M-5G with Cate 5e**

