



DATA CENTER  
ENTERPRISE  
TELECOM

# FS PRODUCT ROADMAP



# FS DATA CENTER SWITCH ROADMAP

Category	Model	Ports	Chipset	Status
10G LEAF/TOR	N5860-48SC	48 x 10G + 8 x 100G	BCM56873	Available
	N5850-48S6Q (ONIE)	48 x 10G + 6 x 40G	BCM56864	Available
25G LEAF/TOR	N8560-48BC	48 x 25G + 8 x 100G	BCM56873	Available
	N8550-48B8C (ONIE)	48 x 25G + 2 x 10G + 8 x 100G	BCM56770	Available
100G SPINE	N8560-32C	32 x 100G	BCM56870	Available
	N8550-32C (ONIE)	32 x 100G + 2 x 10G	BCM56870	Available
100G SPINE	MSN2410-CB2F (P2C)	48 x 25G + 8 x 100G	PTP Mellanox	Available
	N8560W-48BC (ONIE)	48 x 25G + 8 x 100G	BCM56873	Develop (2023.Q4)
200G INFINIBAND	MSN2700-CS2FC (P2C)	32 x 100G	PTP Mellanox	Available
	MSN2700-CS2RC (C2P)	32 x 100G	PTP Mellanox	Available
400G FABRIC	MSN4410-WS2FC (P2C)	24 x 100G + 8 x 400G	PTP Mellanox	Available
	N8560W-32C (ONIE)	32 x 100G	BCM56870	Develop (2023.Q4)
25G/40G/100G MODULAR CHASSIS	MQM8700-HS2F (P2C)	40 x 200G	InfiniBand Mellanox	Available
	MQM8790-HS2F (P2C)	40 x 200G	InfiniBand Mellanox	Available
25G/40G/100G MODULAR CHASSIS	N9510-64D	64 x 400G	BCM56990	Available
	MSN4700-WS2FC (P2C)	32 x 400G	PTP Mellanox	Available
25G/40G/100G MODULAR CHASSIS	MSN4700-WS2RC (C2P)	32 x 400G	PTP Mellanox	Available
	NC8200-4TD	24 x 25G + 2 x 100G; 16 x 40G; 8 x 100G	BCM56870	Available
25G/40G/100G MODULAR CHASSIS	NC8400-4TH	32 x 100G; 16 x 100G + 4 x 400G	BCM56980	Available

# FS ENTERPRISE SWITCH ROADMAP

Category	Model	Ports	Chipset	Status
1G LAN ACCESS S3000 SERIES	S3410-10TF-P	8 x 1GT + 2 x 1G SFP	BCM53343	AVAILABLE
	S3100-8TMS-P	8 x 1GT + 2 x 5GT + 2 x 10G	BCM56150	AVAILABLE
	S3270-10TM-P	8 x 1GT + 2 x 1Gb	BCM53343	AVAILABLE
	S3100-16TF-P	16 x 1GT + 2 x 1G	BCM56150	AVAILABLE
	S3100-16TMS-P	16 x 1G T + 2 x 5G copper + 2 x 10G	BCM56150	AVAILABLE
	S3270-24TM-P	24 x 1GT, 4 x 2.5G SFP	BCM53547	AVAILABLE
1G LAN ACCESS S3000 SERIES	S3410-24TS-P	24 x 1GT + 2 x 10G + 2 x combo SFP	BCM56150	AVAILABLE
	S3270-48TM	48 x 1GT, 4 x 2.5G SFP	BCM53547	AVAILABLE
1G/2.5G CORE AND DISTRIBUTION S5000 SERIES	S5810-28TS	24 x 1GT + 4 x 1G combo + 4 x 10G	BCM56342	AVAILABLE
	S5810-48TS	48 x 1GT + 4 x 10G	BCM56340	AVAILABLE
5G/10G MULTI-GIG CORE AND DISTRIBUTION S5000 SERIES	S5810-48FS	48 x 1Gb + 4 x 10Gb	BCM56340	AVAILABLE
	S5800-48MBQ	48 x 2.5GT + 4 x 25Gb SFP28, 2 x 40Gb QSFP+		AVAILABLE
	S5850-24T16B	24 x 1GT + 16 x 25Gb		AVAILABLE
	S5860-24MG-U	24 x 1/2.5/5G + 4 x 25G	BCM56170	AVAILABLE
	S5860-24XB-U	24 x 1G/2.5G/5G/10GT + 4 x 10G + 4 x 25G	BCM56170	AVAILABLE
	S5850-24XMG-U	24 x 10/100/1000M/2.5G/5G/10GT + 2 x 100G		AVAILABLE
5G/10G MULTI-GIG CORE AND DISTRIBUTION S5000 SERIES	S5860-48MG-U	48 x 1/2.5/5G + 4 x 25/10G + 2 x 40G	BCM56170	AVAILABLE
	S5860-48XMG-U	48 x 1/2.5/5/10G + 4 x 25G + 2 x 40G	BCM56170	AVAILABLE
	S5850-48S6Q	48 x 10GT + 4 x 40G		AVAILABLE
	S5800-8TF12S	12 x 10G + 8 x Combo		AVAILABLE
	S5860-20SQ	20 x 10Gb SFP+, 4 x 25Gb and 2 x 40Gb	BCM56170	AVAILABLE
	S5850-24S2Q	24 x 10G + 2 x 40G		AVAILABLE
5G/10G MULTI-GIG CORE AND DISTRIBUTION S5000 SERIES	S5300-12S	12 x 10G		DEVELOP (2023.Q4)
	S5860-24XMG	24 x 1/2.5/5/10G + 4 x 10G + 4 x 25G	BCM56170	PLANNING (2023.Q4)
25G CORE AND DISTRIBUTION S5000 SERIES	S5860-48XMG	48 x 1/2.5/5/10G + 4 x 25G + 2 x 40G	BCM56170	PLANNING (2023.Q4)
	S5850-24B4C	24 x 25G + 4 x 100G		AVAILABLE
	S5850-48B8C	48 x 25G + 8 x 100G		AVAILABLE

# FS ENTERPRISE SWITCH ROADMAP

<p><b>40G</b> CORE AND DISTRIBUTION S8000 SERIES</p>	<p><b>S8550-6Q2C</b> 6x40G + 2x100G</p> 	<p><b>S8050-20Q4C</b> 20 x 40Gb + 4 x 100G + 4 x 10Gb</p> 		
<p><b>1G/10G/100G</b> MODULAR CHASSIS SC9000 SERIES</p>	<p><b>SC9405</b> 48 x 1G, 48 x 10G, 8 x 100G, 4U, Hucrriane/Trident 3</p> 			
<p><b>INDUSTRIAL SERIES</b> L2+ IES3000</p>	<p><b>IES3110-8TF</b> 8 x 1GT + 2 x 1/2.5G, PTP</p> 	<p><b>IES3110-8M12</b> 8 x M12 x-code, PTP</p> 	<p><b>IES3100-16TM</b> 16 x 1GT +4 x 1G/2.5G SFP</p> 	<p><b>IES3110-24TF</b> 24 x 1GT + 4 x 1Gb Combo, PTP</p> 
<p><b>INDUSTRIAL SERIES</b> L3 IES5000</p>	<p><b>IES5100-16TS</b> 16 x 1GT +4 x 1G SFP + 4x 10G SFP+</p> 	<p><b>IES5100-24TF</b> 24 x 1GT + 4 x 1Gb</p> 	<p><b>IES5100-24FS</b> 24 x 1G SFP + 8x Combo + 4x 10G SFP+</p> 	<p><b>IES5100-24TS-P</b> 24x10/100/1000BASE-T +4xCombo+8x1G SFP+ 4x10G SFP+, PTP</p> 

# FS SMB SWITCH ROADMAP

Category	Model	Ports	Status
SMB S1000 SERIES UNMANAGED 1G PLUG AND PLAY	S1900-5T	5 x 1GT	AVAILABLE
	S1900-8T	8 x 1GT	AVAILABLE
	S1900-16T	16 x 1GT	AVAILABLE
	S1900-24T	24 x 1GT	AVAILABLE
SMB S2000 SERIES SMART MANAGED 1G WEB/STATIC ROUTING	S2805S-8TF-P	8 x 1GT + 2 x 1Gb	AVAILABLE
	S2805S-24TF-P	24 x 1GT + 4 x 1Gb SFP	AVAILABLE
	S2800S-48T4F	48x 1GT RJ45, 4x 1G SFP	AVAILABLE
SMB S3000 SERIES MANAGED 1G/2.5G WEB/DYNAMIC ROUTING	S3150-8T2FP	8 x 1GT + 2 x 1Gb	AVAILABLE
	S3200-8MG4S-U	8 x 2.5GT + 4 x 10Gb SFP+	AVAILABLE
	S3260-16T4FP	16 x 1GT + 2 x 1Gb + 2 x Combo	AVAILABLE
	S3400-24T4FP	24 x 1GT + 4 x 1Gb Combo	AVAILABLE
OTHER	S3400-24T4SP	24 x PoE+4 x 10Gb SF+	AVAILABLE
	S3400-48T4SP	48 x 1GT + 4 x 10G	AVAILABLE
OTHER	Multi-Gigabit (2.5G) Unmanaged		PLANNING (2024.Q1)



# FS TRANSCEIVER ROADMAP

Category	Model	Distance	Status
800G QSFP-DD	DR8	500m	AVAILABLE
	XDR8	2km	AVAILABLE
	2FR4	2km	AVAILABLE
	PLR8	10km	AVAILABLE
	2LR4	10km	AVAILABLE
	SR8	100m	PLANNING (2023.Q4)
	SR8	100m	PLANNING (2023.Q4)
800G OSFP	DR8	500m	AVAILABLE
	XDR8	2km	AVAILABLE
	2FR4	2km	AVAILABLE
	PLR8	10km	AVAILABLE
	2LR4	10km	AVAILABLE
	SR8	100m	PLANNING (2023.Q4)
	SR8	100m	PLANNING (2023.Q4)
400G QSFP-DD	SR8	100m	AVAILABLE
	DR4	500m DR4-Siph	AVAILABLE
	FR4	2km	AVAILABLE
	XDR4	2km	AVAILABLE
	LR4	10km	AVAILABLE
	LR8	10km	AVAILABLE
	4x 100G LR	10km	AVAILABLE
	SR8	40km	AVAILABLE
400G QSFP-DD	Coherent ZR	120km	AVAILABLE
	Coherent ZR+	>120km	DEVELOP (2023.Q4)
	SR 4.2	100m	PLANNING (2023.Q4)
400G OSFP	SR8	100m	AVAILABLE
	DR4-Siph	500m	AVAILABLE
	LR8	10km	AVAILABLE
400G QSFP112	SR4	100m	AVAILABLE
	DR4	500m	AVAILABLE
	XDR4	2km	AVAILABLE
	FR4	2km	AVAILABLE
	LR4	10km	AVAILABLE
200G QSFP56	SR4	100m	AVAILABLE
	FR4	2km	AVAILABLE
	LR4	10km	AVAILABLE



# FS TRANSCEIVER ROADMAP

Category	Model	Distance	Status
40G QSFP+	SR4	150m	AVAILABLE
	CSR4	400m	AVAILABLE
	BIDI	400m OM4/500m OM5	AVAILABLE
	LX4	2km SMF/150m MMF	AVAILABLE
	IR4	2km	AVAILABLE
	LR4	10km	AVAILABLE
	ER4	40km	AVAILABLE
40G QSFP+	PLR4	10km	AVAILABLE
	ZR4	80km	AVAILABLE
25G SFP28	SR	100m	AVAILABLE
	SR	100m Dual-Rate	AVAILABLE
	CSR	400m Dual-Rate	AVAILABLE
	LR	10km	AVAILABLE
25G SFP28	ER	40km	AVAILABLE
	BX	10km	AVAILABLE
	BX20	20km	AVAILABLE
	BX40	40km	AVAILABLE
	CWDM	10km	AVAILABLE
	CWDM	40km	AVAILABLE
	DWDM	30km	AVAILABLE
LWDM	40km	AVAILABLE	
10G SFP+	10GBASE-T	30m/80m/100m	AVAILABLE
	SR	300m	AVAILABLE
	LRM	2km/220m	AVAILABLE
10G SFP+	LR	10km	AVAILABLE
	ER	40km	AVAILABLE
	ZR	80km	AVAILABLE
	CWDM	10km	AVAILABLE
	CWDM	40km	AVAILABLE
10G SFP+	CWDM	80km	AVAILABLE
	DWDM	40km	AVAILABLE
	DWDM	80km	AVAILABLE
10G SFP+	DWDM Tunable	80km	AVAILABLE
	DWDM Tunable	40km	DEVELOP (2023.Q2)
10G SFP+	BX	10km	AVAILABLE
	BX20	20km	AVAILABLE
	BX40	40km	AVAILABLE
	BX60	60km	AVAILABLE
	BX80	80km	AVAILABLE
	BX100	100km	AVAILABLE



# FS TRANSCEIVER ROADMAP

Speed	Model	Distance	Status
2.5G	2.5G SFP 2.5GBASE-T 100m		AVAILABLE
	2.5G SFP 2.5GBASE-T 100m, Industrial		AVAILABLE
	2.5G SFP SX 300m		DEVELOP (2023.Q3)
	2.5G SFP IX 2km		DEVELOP (2023.Q3)
	2.5G SFP LX 15km		DEVELOP (2023.Q3)
1G	1G SFP 1000BASE-T 100m		AVAILABLE
	1G SFP SX 2km		AVAILABLE
1G	1G SFP LX 20km		AVAILABLE
	1G SFP LH 40km		AVAILABLE
	1G SFP BX 10km		AVAILABLE
	1G SFP BX40 40km		AVAILABLE
	1G SFP BX60 60km		AVAILABLE
1G	1G SFP BX80 80km		AVAILABLE
	1G SFP BX120 120km		AVAILABLE
	1G SFP CWDM 20km SMF		AVAILABLE
	1G SFP CWDM 40km SMF		AVAILABLE
	1G SFP CWDM 80km SMF		AVAILABLE
	1G SFP DWDM 40km		AVAILABLE
	1G SFP DWDM 80km		AVAILABLE
1G SFP DWDM 100km		AVAILABLE	
1G SFP DWDM 120km		AVAILABLE	

# FS TRANSCEIVER ROADMAP

Category	Model	Distance / Application	Status	Release Date
50G WIRELESS	50G SFP56 LR	10km, Industrial, CDR/DSP	AVAILABLE	
	50G SFP56 FR	2km, Industrial, CDR/DSP	DEVELOP	2024.Q1
	50G SFP56 ER	30/40km, Industrial, CDR/DSP	DEVELOP	2023.Q4
	50G SFP56 BX	10/15km, Industrial, CDR/DSP	DEVELOP	2023.Q4
	50G SFP56 BX40	30/40km, Industrial, CDR/DSP	DEVELOP	2023.Q4
	50G SFP56 CWDM	10km, Industrial, CDR/DSP	DEVELOP	2023.Q4
	50G SFP56 CWDM	10km, Industrial, CDR/DSP	DEVELOP	2023.Q4
25G WIRELESS	25G SFP28 LR lite	2km, Industrial	AVAILABLE	
	25G SFP28 LR	10km, Industrial	AVAILABLE	
	25G SFP28 ER	40km, Industrial	AVAILABLE	
	25G SFP28 BX	10km, Industrial	AVAILABLE	
	25G SFP28 BX20	20km, Industrial	AVAILABLE	
	25G SFP28 BX30	30km, Industrial	AVAILABLE	
	25G SFP28 BX40	40km, Industrial	AVAILABLE	
25G WIRELESS	25G SFP28 DWDM	10km, Industrial	AVAILABLE	
	25G SFP28 CWDM	10km, Extended	DEVELOP	2023.Q4
	25G SFP28 DWDM	15km, Industrial	DEVELOP	2023.Q4
	25G SFP28 Tunable DWDM	10km, Industrial	DEVELOP	2023.Q4
10G WIRELESS	10G SFP+ LR lite	2km, Industrial	AVAILABLE	
	10G SFP+ LR	10km, Industrial	AVAILABLE	
	10G SFP+ ER	40km, Industrial	AVAILABLE	
	10G SFP+ BX	10km, Industrial	AVAILABLE	
	10G SFP+ BX40	40km, Industrial	AVAILABLE	
10G WIRELESS	10G SFP+ CWDM	10km, Industrial	AVAILABLE	
	10G SFP+ CWDM	40km, Industrial	AVAILABLE	
	10G SFP+ DWDM	40km, Industrial	AVAILABLE	
	10G SFP+ DWDM	80km, Industrial	AVAILABLE	
10G WIRELESS	10G SFP+ Tunable DWDM	40km, Industrial	DEVELOP	2023.Q3
	10G SFP+ Tunable DWDM	80km, Industrial	DEVELOP	2023.Q3
	10G SFP+ CWDM	40km, Industrial	DEVELOP	2023.Q3
PON	ONU SFP+ XGSPON With MAC	20Km	AVAILABLE	
	OLT SFP+ XGSPON	20Km N2	AVAILABLE	
	ONU SFP+ XGSPON	20Km	AVAILABLE	
PON	OLT SFP+ XGSPON Combo	20Km B+/C	AVAILABLE	
	OLT SFP+ 10G EPON	20Km PR30	DEVELOP	2023.Q3
	OLT SFP+ XGSPON Combo	20Km C+/D	DEVELOP	2023.Q3
PON	ONU SFP+ GPON With MAC	20Km	AVAILABLE	
	OLT SFP+ GPON	20Km B+/C+	AVAILABLE	
	OLT SFP+ GPON	20Km class D	AVAILABLE	
PON	ONU SFP+ EPON	20Km PX30	AVAILABLE	
	ONU SFP+ GPON	20Km B+/C+	DEVELOP	2023.Q3
	ONU SFP+ 10G EPON	20Km PR30	DEVELOP	2023.Q3



# FS DAC/AOC ROADMAP

Speed	Configuration	Length	Status	Configuration	Length	Status	Configuration	Length	Status	Configuration	Length	Status	Configuration	Length	Status	Configuration	Length	Status			
800G	800G QSFP-DD DAC	0.5m~1.5m	AVAILABLE	800G QSFP-DD ACC	0.5m~2.5m	AVAILABLE	800G OSFP DAC	0.5m~1.5m	AVAILABLE	800G OSFP 1*2 DAC	0.5m~1.5m	AVAILABLE	800G QSFP-DD AOC	0m~30m	PLANNING (2023.Q4)	800G OSFP AOC	0m~30m	PLANNING (2023.Q4)			
	400G QSFP-DD DAC	0.5m~3m	AVAILABLE	400G QSFP112 DAC	0.5m~1.5m	AVAILABLE	400G QSFP-DD AOC	1m~100m	AVAILABLE	400G QDD to 2*Q56 DAC	0.5m~3m	AVAILABLE	400G QDD to 8*S56 DAC	0.5m~3m	AVAILABLE	400G QDD to 4*Q56 DAC	0.5m~3m	AVAILABLE	400G QDD to 4*Q56 AOC	1m~50m	AVAILABLE
400G	400G QSFP-DD ACC	1m~5m	AVAILABLE	400G QSFP112 ACC	1m~5m	AVAILABLE	400G QDD to 2*Q56 ACC	1m~5m	AVAILABLE	400G QDD to 2*Q56 AOC	1m~30m	AVAILABLE	400G QDD to 8*S56 AOC	1m~70m	AVAILABLE	400G QDD to 4*Q28 ACC	1m~5m	AVAILABLE	400G QDD to 4*Q56 ACC	3m~7m	DEVELOP (2023.Q3)
	400G QDD to 4*Q28 AOC	1m~70m	PLANNING (2023.Q3)																		
200G	200G QSFP56 DAC	0.5m~3m	AVAILABLE	200G QSFP56 ACC	3m~7m	AVAILABLE	200G QSFP56 AOC	1m~100m	AVAILABLE	200G QSFP-DD DAC	0.5m~3m	AVAILABLE	200G Q56 to 2*Q56 DAC	0.5m~3m	AVAILABLE	200G QDD to 2*Q28 DAC	0.5m~3m	AVAILABLE	200G Q56 to 4*S56 DAC	0.5m~3m	AVAILABLE
	200G QDD to 8*S28 DAC	0.5m~3m	AVAILABLE	200G QDD to 8*S28 AOC	1m~70m	AVAILABLE	200G QSFP-DD AOC	1m~70m	AVAILABLE	200G Q56 to 2*Q56 ACC	3m~7m	AVAILABLE	200G QDD to 2*Q28 AOC	1m~70m	AVAILABLE	200G Q56 to 4*S56 AOC	1m~70m	DEVELOP (2023.Q3)			
100G	100G QSFP28 DAC	0.5~5m	AVAILABLE	100G QSFP28 AOC	1~100m	AVAILABLE	100G QSFP28 ACC	1~9m	AVAILABLE	100G QSFP28 1*4 DAC	0.5~5m	AVAILABLE	100G QSFP28 1*4 AOC	1~50m	AVAILABLE	100G QSFP28 1*2 AOC	1~100m	AVAILABLE	100G QSFP28 1*4 AOC Liquid Cooling		PLANNING (2023.Q4)

# FS DAC/AOC ROADMAP

Category	Product	Status
50G/56G	56G QSFP+ DAC 0.5~5m	AVAILABLE
	56G QSFP+ AOC 1~50m	AVAILABLE
	50G SFP56 DAC 1~3m	AVAILABLE
50G/56G	50G SFP56 AOC 1~50m	AVAILABLE
	50G SFP56 ACC 1~7m	AVAILABLE
	40G QSFP+ DAC 0.5~7m	AVAILABLE
40G	40G QSFP+ AOC 1~50m	AVAILABLE
	40G QSFP+ 1*4 DAC 0.5~7m	AVAILABLE
	40G QSFP+ 1*4 AOC 1~30m	AVAILABLE
40G	40G QSFP+ 1*4 Duplex LC AOC 5~30m	AVAILABLE
	40G QSFP+ 1*10G SFP+ DAC 1~7m	AVAILABLE
	10G SFP+ DAC 0.5~7m	AVAILABLE
10G/25G	10G SFP+ AOC 1~30m	AVAILABLE
	10G SFP+ ACC 1~10m	AVAILABLE
	25G SFP28 DAC 1~5m	AVAILABLE
10G/25G	25G SFP28 AOC 1~30m	AVAILABLE
	10G SFP+ AOC 1~70m, Industrial	DEVELOP (2023.Q3)
	25G SFP28 AOC 1~70m, Industrial	DEVELOP (2023.Q3)



# FS WDM, OTN & PON PRODUCTS ROADMAP

Category	Product Name	Specifications	Status
MUX	FMU CWDM	Channels: 1~18CH Technology: TFF/Free Space Channel Spacing: 20nm Wavelength: 1270~1610nm	AVAILABLE
	FMU DWDM	Channels: 1~120CH Technology: AAWG/TFF Channel Spacing: 25/50/75/100/150GHz Wavelength: C+/C-band	AVAILABLE
DCI PLATFORM	M6800	Capacity: 1.6T/U Line: 200G Client: 100G	AVAILABLE
	DCP910	Client: 100G PAM4 Automatic adjustment	AVAILABLE
OLS PLATFORM	FMT	Business Modules: OEO/EDFA/OLP Business Types: ETH 1/10/25G, FC... Chassis: 1~4U/Up to 16 Modules	AVAILABLE
	M6200	Business Modules: OEO/EDFA/OLP Business Types: ETH 1/10/100G, FC, CPRI... Chassis: 2&5U/Up to 15 Modules	AVAILABLE
PON	ONU	Ports: GE/USB/POTS/CATV Business Types: Gpon Product Types: SFU/HGU/MDU	AVAILABLE
	ODN	Number of Ports: 24 Adapter: LC/SC/FC etc	AVAILABLE
COMPONENTS	Transceiver	Data Rates: 1/10/25/40/100/400/800G	AVAILABLE
	Cables	Connector: LC/SC/FC/ST etc Fiber Mode: OS2/OM1~OM5	AVAILABLE
MUX	FHD	Channels: 1~8CH Technology: TFF/Free Space Channel Spacing: 20nm/100GHz Wavelength: 1270~1610nm/C-band	AVAILABLE
	Active MUX	Channels: 40CH Technology: AAWG Channel Spacing: 100GHz Wavelength: C21~C40 Features: Visual Port Monitoring	AVAILABLE
DCI PLATFORM	DCP920	Embedded 100G PAM4 Modules Automatic adjustment Transmission: Single-fiber Bidirectional Capacity: 4*100G/8*100G	AVAILABLE
	NX N40	Capacity: 3.2T/U Line: 200G/400G Client: 10G/40G/100G/400G	AVAILABLE
DCI PLATFORM	DCI II	Capacity: 3.2T/U Line: 200G/400G Client: 10G/40G/100G	2023.Q4
	M6500	Transponder/Muxponder Modules: 10G/40G/100G Business Types: ETH 10/40/100G Chassis: 2&5U/Up to 6 Modules	AVAILABLE
OLS PLATFORM	M6500	Transponder/Muxponder Modules: 10G/40G/100G Business Types: ETH 10/40/100G Chassis: 2&5U/Up to 6 Modules	AVAILABLE
	MS8100	Business Modules: OEO/EDFA/OLP, SDH card Business Types: ETH 1/10G, SDH, FC... Chassis: 5U/Up to 12 Modules	AVAILABLE
PON	Gpon-OLT	Ports: RJ45/GE/10G/GPON Business Types: Gpon	AVAILABLE
	10G-ONU	Ports: GE/2.5G/XG(S)-PON Business Types: XG(S)-PON	2023.Q4
COMPONENTS	FWDM Filters	Connector: None/LC/SC/FC/ST Product Types: Filters/Isolators/Optical Circulators	AVAILABLE
	Attenuators	Product Types: Fixed/Variable Attenuators Attenuation Range: 1~60dB	AVAILABLE
DCI PLATFORM	10G-OLT	Ports: XG(S) -PON(TBD) Business Types: XG(S) -PON(TBD) Packaging: Frame Type(TBD)	2023.Q4

# FS FIBER OPTIC CABLING ROADMAP

<b>MTP®/MPO FIBER CABLES</b>	<b>MTP®/MPO Trunk Cables</b> 8-144 Fibers OS2/OM3/OM4/OM5	<b>MTP®/MPO Harnesses</b> 8-144 Fibers OS2/OM3/OM4	<b>MTP®/MPO Conversion Cables</b> 8F/12F to 24F; 8F to 12F OS2/OM4	<b>MTP® PRO Trunk Cables</b> Polarity & Pin Change	
<b>FIBER PATCH CABLES</b>	<b>Standard Cables</b> OS2/OM1/OM5/OM4/OM3/OM2 LC/SC/ST/FC/LSH/MTRJ/MU Connectors	<b>Short Boot Cables</b> OS2/OM4/OM3 LC 12mm/18mm & SC 25mm Boots	<b>Ultra Low Loss BIF Cables</b> 0.12dB Typ. IL 0.08dB Typ. IL		
<b>SPECIALTY FIBER CABLES</b>	<b>Armored Cables</b> Bend Insensitive Fiber / Indoor / Rodents Resistance	<b>Industrial Cables</b> Helical Armor/Outdoor/ Waterproof Cold/Rodent Resistance	<b>High Density Cables</b> Flat Clip & Secure Keyed Clip Toolless Polarity Reversal & Switchable Push-pull Boot & Tab	<b>FTTA Cables</b> Corning G.657.A1/Armored Branch Outdoor/LTE/4G/5G Base Station	<b>Multifiber Cables</b> Indoor: Data Center Systems Indoor/Outdoor: Direct Burial/ Conduits Applications
<b>SPECIALTY FIBER CABLES</b>	<b>Mode Conditioning Cables</b> SMF & MMF Interconnection	<b>Polarization Maintaining (PM) Cables</b> Fujikura Fiber Elliptical Clad and Bow-tie			
<b>FHD ENCLOSURES</b>	<b>Modular Enclosure</b> 1U up to 144 Fibers (LC)	<b>Fixed Enclosure</b> 1U up to 144 Fibers (LC)	<b>Sliding&amp;Tilt-down Enclosure</b> 1U up to 144 Fibers (LC)	<b>Sliding Enclosure</b> 1U/2U/4U Up to 144/288/432 Fibers (LC)	<b>Blank Enclosure</b> 1U up to 144 Fibers (LC)
<b>FHD ENCLOSURES</b>	<b>Wall Mount Enclosure</b> 1/2/4×FHD®Cassettes/Panels Up to 24/48/96 Fibers (LC) Dual Doors/Optional Keyed Locks				
<b>FHD ACCESSORIES</b>	<b>Fiber Optic Panels</b> LC/SC/MTP®/ST/MDC/Blank Styles Multimedia Copper/Fiber Panel 6/8/12/24/36/48 Fibers OS2/OM3/OM4	<b>MTP panels</b> Up-Down: 1U up to 1152F(MTP®-8/ 12/24) Up-Up: 1U up to 768F(MTP®-8/12/ 24)	<b>MTP Cassettes</b> MTP®/MPO-LC/SC/MDC Cassettes MTP® Conversion Cassettes MTP® Mesh Cassettes	<b>TAP Cassettes</b> Real-time Monitoring 50/50 Split Ratio 70/30 Split Ratio	



# FS FIBER OPTIC CABLING ROADMAP

Category	Product Name	Specifications	Status
FHU&FHZ SERIES	FHU Panels	1U EIA 19" Racks OS2/OM4 48/96F(LC) & 48F(SC)	AVAILABLE
	FHU MTP®-LC Cassettes	OS2/OM4 1U up to 96F	AVAILABLE
	FHU Blanking Panels	1U/2U/4U 19"	AVAILABLE
	FHZ MTP®-LC Cassettes	OS2/OM4 36F(LC)	AVAILABLE
	FHZ Enclosure	1U EIA 19" Rack Mount Up to 216F(LC)	AVAILABLE
TESTERS & TOOLS	OTDR		AVAILABLE
	Fiber Inspection		AVAILABLE
	Power Meters		AVAILABLE
TESTERS & TOOLS	Fiber Polishing		AVAILABLE
	Pen Cleaners		AVAILABLE
	Sticks & Wipes		AVAILABLE
	Reel Type Cleaners		AVAILABLE
	Fiber Identifiers		AVAILABLE
	Fiber Cleavers		AVAILABLE

# FS COPPER SYSTEM ROADMAP

Category	Product Name	Specifications	Status	Product Name	Specifications	Status	Product Name	Specifications	Status	Product Name	Specifications	Status			
CAT5E	Copper Patch Cords	UTP/FTP; PVC/PVC CM/LSZH 24/26/28AWG 9 Colors 1&10pcs/pack	AVAILABLE	Pre-Terminated Trunk Cables	UTP CMR 6 × RJ45	AVAILABLE	Bulk Copper Cables	PVC CM/CMP/CMR UTP & F/UTP 24/26AWG Stranded/Solid	AVAILABLE	Connectors & Jacks	UTP/STP Inline Couplers/Keystone Jacks/ Plugs	AVAILABLE	10pcs/pack Cables		DEVELOP
CAT6	Copper Patch Cords	PVC/CM/CMP/LSZH 23/24/26/28AWG 9 Colors 1&10pcs/pack	AVAILABLE	Flat Cables	32AWG UTP PVC White & Black Colors	AVAILABLE	Pre-Terminated Trunk Cables	UTP CMR/LSZH 6/12 × RJ45	AVAILABLE	Bulk Copper Cables	PVC CM/CMP/CMR UTP, F/UTP, SF/UTP 23/24/26AWG Stranded/Solid	AVAILABLE	Connectors & Jacks	UTP/STP Inline Couplers/Keystone Jacks/ Plugs	AVAILABLE
CAT6	10pcs/pack Cables		DEVELOP	24pcs/pack Cables		PLANNING									
CAT6A	Copper Patch Cords	PVC CM/CMP/LSZH 23/24/26/28AWG 7 Colors 1&10pcs/pack	AVAILABLE	Pre-Terminated Trunk Cables	SFTP CMR/LSZH 6 × RJ45	AVAILABLE	Bulk Copper Cables	PVC CMR S/FTP, UTP 23AWG Solid	AVAILABLE	Connectors & Jacks	UTP/STP Inline Couplers/Keystone Jacks/ Plugs	AVAILABLE	10pcs/pack Cables		DEVELOP
CAT6A	24pcs/pack Cables		PLANNING												
CAT7&8	Copper Patch Cords	SFTP PVC CM Cat7 26AWG; Cat8 28AWG	AVAILABLE	Cat7 Bulk Copper Cables	SFTP/Solid/PVC CMR/23AWG	AVAILABLE	Cat7 Keystone Jacks		AVAILABLE	Cat7 Modular Plugs		AVAILABLE			
INDUSTRIAL SERIES	Industrial Patch Cords	PVC/PUR S/FTP, SF/UTP, FTP Connectors: RJ45, M12D/4M, M12X/8M	AVAILABLE	Industrial Bulk Copper Cables	Cat5e/Cat6a Stranded PUR 26AWG S/FTP, SF/UTP	AVAILABLE	IP65 Cat6/6a Cables		AVAILABLE	IP65 RJ45 Bulkhead Couplers		AVAILABLE	IP65 Bulkhead Faceplate		AVAILABLE



# FS COPPER SYSTEM ROADMAP

## INDUSTRIAL SERIES

**Coaxial Cables**  
Types: RG6/RG11/RG58/RG59  
Connectors: BNC/SMA/F/N



**A&V HDMI Cables**  
Resolution: 1080p/720p/480p



## CABLING ACCESSORIES

**Patch Panel**  
Modular Patch Panels: Flat/Angled  
Populated Patch Panels: Flat/Angled



**Cable Managers**  
Horizontal/Vertical  
0/1/2/5/45 RU  
D-rings/Brush Strip/Lacer Bar  
Finger Duct/Bend Radius Finger



**Faceplates & Boxes**  
Faceplates: 1/2/3/4/6 ports  
Surface Mount Boxes  
Faceplate Frame



## TESTERS & TOOLS

**Punch Down Tools**



**Cable Strippers**



**Cable Testers**



**Cable Qualifiers**



**Cable Certifiers**



## TESTERS & TOOLS

**Label Printers**  
Desktop/Portable



# FS POWER SYSTEM ROADMAP

POWER CORDS	IEC60320 Power Cords	NEMA Power Cords	International Power Cords	Locking Power Cords	High Voltage Power Cords
UPS	<b>UPS650SP230T</b> Modified Sine Wave 650VA/360W	<b>UPS1050SP230T</b> Modified Sine Wave 1050VA/600W	<b>UPS1500SP230T</b> Modified Sine Wave 1500VA/900W	<b>UPS1KSP120R</b> Sine wave 1KVA/900W	<b>UPS3KSP208R</b> Sine wave 3KVA/2700W
UPS	<b>UPS5KSP208R</b> Sine wave 5KVA/4800W	<b>UPS10KSP208R</b> Sine wave 10KVA/10000W			
PDU	<b>PDU-C148I-HBS</b> Basic PDU 8 IEC320 C13 IEC320 C14	<b>PDU-2PE24I-VME</b> Metered PDU 20 C13 & 4 C19 IEC60309 32A 2P+E	<b>PDU-2PE42I-VMO</b> Monitored PDU 36 C13 & 6 C19 IEC 309 32A 2P+E	<b>PDU-3PNE24I-VSW</b> Switched PDU 21 C13 & 3 C19 IEC309 32A 3P+N+E	



# FS ENTERPRISE WIRELESS ROADMAP










Category	Product Name	Specifications	Status
INDOOR AP	AP-N505	Wi-Fi 6 802.11ax 3000 Mbps 2x2 MU-MIMO Dual Radios	AVAILABLE
	AP-N515	Wi-Fi 6 802.11ax 5375 Mbps 4x4 MU-MIMO Dual Radios	AVAILABLE
	AP-N515H	Wi-Fi 6 802.11ax 2975 Mbps 2x2 MU-MIMO Dual Radios	AVAILABLE
	AP-W6T3267C	Wi-Fi 6 802.11ax 3267 Mbps 2x2 MU-MIMO Third Radios	AVAILABLE
INDOOR AP	AP-W6D2400C	Wi-Fi 6 802.11ax 2400 Mbps 2x2 MU-MIMO Dual Radios	AVAILABLE
	AP-W6D1775C	Wi-Fi 6 802.11ax 1775 Mbps 2x2 MU-MIMO Dual Radios	AVAILABLE
	AP-N635	Wi-Fi 6E 802.11ax 6000Mbps 4x4 MIMO Third Radios	DEVELOP (2023.Q3)
	AP-N665	WiFi7 802.11be 13000Mbps 4x4 MIMO Third Radios	PLANNING (2023.Q4)
OUTDOOR AP	AP-T565	Wi-Fi 6 802.11ax 2400 Mbps 2x2 MU-MIMO Dual Radios	AVAILABLE
	AP-T567	Wi-Fi 6 802.11ax 2400 Mbps 2x2 MU-MIMO Dual Radios	AVAILABLE
WIRELESS CONTROLLERS	AC-7072	8 Gigabit Combo Ports, 4x 10 Gb SFP+, Scale to Support up to 1152 APs.	AVAILABLE
	AC-224AP	6 Gigabit Ethernet (GbE) Ports Manage up to 224 Wi-Fi 6 APs	AVAILABLE
	AC-1004	5 Gigabit Ethernet (GbE) Ports Manage up to 64 Wi-Fi 6 APs	AVAILABLE
ROUTERS	SG-5110	8 Gigabit Ethernet (GbE) Ports, 1x SFP, 1x SFP+ Max Number of Managed APs 64	AVAILABLE
	SG-5105	8 Gigabit Ethernet (GbE) Ports, 1x SFP, 1x SFP+ Max Number of Managed APs 64	AVAILABLE
	SG-3110	8 Gigabit Ethernet (GbE) Ports Max Number of Managed APs 32	AVAILABLE
ACCESSORIES	mounting bracket	Metal Bracket, T-rail Screw, Wire rope	PLANNING (2023.Q3)

# FS CAMERAS & SURVEILLANCE ROADMAP















Resolution	Model	Specifications	Status
2MP	IPC101-2M-B	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC101-2M-T	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC101-2M-D	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC104-2M-B	2.8-12mm Lens 164ft Night Vision	AVAILABLE
	IPC104-2M-T	2.8-12mm Lens 98ft Night Vision	AVAILABLE
	IPC104-2M-D	2.8-12mm Lens 98ft Night Vision	AVAILABLE
2MP	IPC305-2M-B	2.7-13.5mm Lens 164ft Night Vision	AVAILABLE
	IPC305-2M-T	2.7-13.5mm Lens 131ft Night Vision	AVAILABLE
	IPC305-2M-D	2.7-13.5mm Lens 131ft Night Vision	AVAILABLE
	IPC201-2M-P	3.6mm Lens 22ft Night Vision Wi-Fi	AVAILABLE
	IPC204-2M-PD	2.8mm, Fixed; 2.8-12mm, Varifocal 32.8 ft /164.0 ft Night Vision	AVAILABLE
	P/N: TBD	4mm, Fixed; 4.8~120mm, Varifocal 30 ft /100 ft Night Vision	PLANNING (2023.Q3)
4MP	IPC425-4M-P	4.8-120mm Lens 25X Optical Zoom	AVAILABLE
	IPC501-FC-4MT	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC501-2X4M-B	4.0mm Lens 98ft Night Vision	AVAILABLE
	IPC501-FC-4M-B	4.0mm Lens 98ft Night Vision	AVAILABLE
	IPC305-5M-B	2.7-13.5mm Lens 164ft Night Vision	AVAILABLE
	IPC301-5M-F	1.4mm Lens 33ft Night Vision	AVAILABLE
5MP	IPC101-5M-T	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC101-5M-D	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC101-5M-B	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC205-5M-P	2.7-13.5mm Lens 5X Optical Zoom Wi-Fi	AVAILABLE
	IPC204-5M-P	2.8-12mm Lens 4X Optical Zoom	AVAILABLE
	IPC305-5M-T	2.7-13.5mm Lens 131ft Night Vision	AVAILABLE
5MP	IPC301-5M-T	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC301-5M-F	1.4mm Lens 33ft Night Vision	AVAILABLE
8MP	IPC304-8M-D	2.8-12mm Lens 131ft Night Vision	AVAILABLE
	IPC304-8M-B	2.8-12mm Lens 164ft Night Vision	AVAILABLE
	IPC301-8M-T	4.0mm Lens 98ft Night Vision	AVAILABLE
	IPC301-8M-D	2.8mm Lens 98ft Night Vision	AVAILABLE
	IPC501-FC-8M-B	4.0mm Lens 98ft Night Vision	AVAILABLE
	IPC304-8M-T	2.8-12mm Lens 131ft Night Vision	AVAILABLE



# FS CAMERAS & SURVEILLANCE ROADMAP





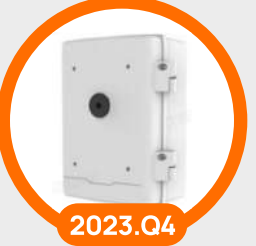






8MP	<b>IPC501-FC-8M-T</b> 2.8mm Lens 98ft Night Vision		<b>IPC425-8M-P</b> 6-150mm Lens 25X Optical Zoom			
12MP	<b>IPC701-12M-F</b> 1.8mm Lens 49ft Night Vision					
1 SATA	<b>NVR101-8C</b> Support 8 Cameras 1x8TB Hard Drive					
2 SATA	<b>NVR202-8C-8P</b> Support 8 Cameras 2x10TB Hard Drive		<b>NVR202-16C</b> Support 16 Cameras 2x8TB Hard Drive	<b>NVR202-9C</b> Support 9 Cameras 2x6TB Hard Drive	<b>NVR202-16C-16P</b> Support 16 Cameras 2x10TB Hard Drive	<b>NVR102-16C-16P</b> Support 16 Cameras 2x10TB Hard Drive
4 SATA	<b>NVR304-32C</b> Support 32 Cameras 4x10TB Hard Drive		<b>NVR204-32C-16P</b> Support 32 Cameras 4x10TB Hard Drive	<b>NVR204-32C</b> Support 32 Cameras 4x8TB Hard Drive		
8 SATA	<b>NVR308-64C</b> Support 64 Cameras 8x12TB Hard Drive					
16 SATA	<b>NVR716-128C</b> Support 128 Cameras 16x10TB Hard Drive		<b>NVR716-64C</b> Support 64 Cameras 16x10TB Hard Drive			

# FS CAMERAS & SURVEILLANCE ROADMAP

<b>24 SATA</b>	<b>NVR724-256C</b> Support 256 Cameras 24x10TB Hard Drive	
<b>STORAGE</b>	<b>VS-6048D</b> 48-bay 14TB for Each HDD	
	<b>VS-2024S</b> 24-bay 8TB for Each HDD	
<b>DISPLAY</b>	<b>MSD-X128G</b> 128GB	
	<b>SS-C4046</b> 46-inch 3.5mm Splicing	
<b>CONTROL</b>	<b>LM-3055</b> 55-inch 4K Resolution	
	<b>LM-3022</b> 22-inch 1080p-Resolution	
<b>TERMINAL</b>	<b>SS-C4055</b> 55-inch 3.5mm Splicing	
	<b>NVD3510-4K</b> 10 HDMI Output Interfaces	
<b>BARRIER GATE</b>	<b>NVD3512-12M</b> 12 HDMI Output Interfaces	
	<b>IPC507ET-2M-W</b> 7 Inch Resolution 1024x 600	
<b>ALL-IN-ONE</b>	<b>SWB950-1M1R</b> 650mm to 1050mm Lane Width	
	<b>VMS-201C</b> 250 Devices, 500 Video Channels	
	<b>P/N: TBD</b> 1000 device 2000 Video Channels	 2023.Q4



# FS CAMERAS & SURVEILLANCE ROADMAP

LICENCE	<b>Professional+</b> Device number-No limit 	<b>Express+</b> Device number-48 	
JUNCTION BOX	<b>CA-JB005</b> 5 inch  2023.Q4	<b>CA-J005</b> 5 inch  2023.Q4	<b>CA-JP012</b> 12 inch  2023.Q4
WALL HANGING	<b>CA-W233</b> 233mm  2023.Q4	<b>CA-W228</b> 228mm  2023.Q4	<b>CA-WP314</b> 314mm  2023.Q4
EXTENSION BAR	<b>CA-HP200-H</b> 200mm  2023.Q4	<b>CA-HP500-H</b> 500mm  2023.Q4	<b>CA-HD200-H</b> 200mm  2023.Q4