

FSP 3000CC modules

Release	Name	Module	8G FC	10G FC	16G FC	32G FC	1xIFB	CE LR	10GbE	25GbE	RoCE
24.1.2 (7.1.2)											
	OpenFab	MA-2C5LT	X		X	X			X	X	X
	CryptoMux	MA-2C2C3LT-A	X		X	X			X	X	X
	OpenFab	MA-B5LT	X		X	X			X	X	X
	OpenFab+	MA-B2C3LT-A	X		X	X			X	X	X
	CryptoMux+	MA-2C5LT	X		X	X			X	X	X
	S-Flex	SF-D19DCT			X	X		X	X	X	X
	S-Flex AES	SF-D19DCT-A			X	X		X	X	X	X
	S-Flex BSI	SF-D19DCT-G			X	X		X	X	X	X
23.1.1/3 (6.1.2)											
	OpenFab	MA-2C5LT	X		X	X			X	X	X
	CryptoMux	MA-2C2C3LT-A	X		X	X			X	X	X
	OpenFab	MA-B5LT	X		X	X			X	X	X
	OpenFab+	MA-B2C3LT-A	X		X	X			X	X	X
	CryptoMux+	MA-2C5LT	X		X	X			X	X	X
	S-Flex	SF-D19DCT			X	X		X	X		X
	S-Flex AES	SF-D19DCT-A			X	X		X	X		X
22.5.2 / 22.5.3 (5.5.1 / 5.5.2)											
	OpenFab	MA-2C5LT	X		X	X			X	X	X
	CryptoMux	MA-2C2C3LT-A	X		X	X			X	X	X
	OpenFab	MA-B5LT	X		X	X			X	X	X
	OpenFab+	MA-B2C3LT-A	X		X	X			X	X	X

CryptoMux+	MA-2C5LT	X		X	X		X	X	X
S-Flex	SF-D19DCT			X	X	X	X		X
S-Flex AES	SF-D19DCT-A			X	X	X	X		X
22.1.1 / 22.1.3									
OpenFab	MA-2C5LT	X		X	X		X	X	X
CryptoMux	MA-2C2C3LT-A	X		X	X		X	X	X
OpenFab+	MA-B5LT	X		X	X		X	X	X
CryptoMux+	MA-B2C3LT-A	X		X	X		X	X	X
QuadFlex*	MP-2B4CT								
21.1.1									
OpenFab	MA-2C5LT	X		X	X		X	X	X
CryptoMux	MA-2C2C3LT-A	X		X	X		X	X	X
OpenFab+	MA-B5LT	X		X	X		X	X	X
CryptoMux+	MA-B2C3LT-A	X		X	X		X	X	X
QuadFlex*	MP-2B4CT								
TeraFlex*	MP-2D12CT								
19.3.2									
OpenFab	MA-2C5LT	X		X	X		X	X	X
CryptoMux	MA-2C2C3LT-A	X		X	X		X	X	X
OpenFab+	MA-B5LT	X		X	X		X	X	X
CryptoMux+	MA-B2C3LT-A	X		X	X		X	X	X
QuadFlex*	MP-2B4CT								
TeraFlex*	MP-2D12CT								
19.3.1									
OpenFab	MA-2C5LT	X		X	X		X	X	X
CryptoMux	MA-2C2C3LT-A	X		X	X		X	X	X
OpenFab+	MA-B5LT	X		X	X		X	X	X
CryptoMux+	MA-B2C3LT-A	X		X	X		X	X	X
QuadFlex*	MP-2B4CT								

	TeraFlex*	MP-2D12CT								
19.1.2										
	OpenFab	MA-2C5LT	X		X	X		X	X	X
	CryptoMux	MA-2C2C3LT-A	X		X	X		X	X	X
	OpenFab+	MA-B5LT	X		X	X		X	X	X
	CryptoMux+	MA-B2C3LT-A	X		X	X		X	X	X
	QuadFlex*	MP-2B4CT								
	TeraFlex*	MP-2D12CT								
17.2.2 / 17.2.3 / 17.2.4										
	OpenFab	MA-2C5LT			X			X	X	X
	QuadFlex*	MP-2B4CT								
17.1.1										
	OpenFab	MA-2C5LT			X			X		X
	QuadFlex*	MP-2B4CT								

* QuadFlex and TeraFlex modules are used only as a transport modules only. They were used for transporting/multiplexing OTU-4 based signals coming from various FSP3000 and FSP 3000CC modules.

FSP 3000

Release	Family	Module	4G FC	8G FC	10G FC	16G FC	32G FC	ISC-3	1xIFB	CE LR	10GbE	25GbE	RoCE
24.1.2													
	10TCE	10TCE-PCN-16GU+100G		X	X	X			X	X	X		X
		10TCE-PCN-16GU+AES100G		X	X	X			X	X	X		X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X			X	X	X		X
		10TCE-PCN-16GU+AES100G-F		X	X	X			X	X	X		X
	4TCC	4TCC-PCN-32GU+AES100G					X						
		4TCC-PCN-32GU+AES100G-G					X						
	9TCE	9TCE-PCN-10GU+AES10G-F		X						X	X		X
		9TCE-PCN-10GU+AES10G-G		X						X	X		X

		9TCE-PCN-10GU+AES10G	X	X				X		X		X
		9TCE-PCN-10GU+10G	X	X				X		X		X
	6WCA	6WCA-PCN-28GU	X	X		X		X		X	X	X
23.1.1/3												
	5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X		X		
		5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X		X		
		5TCE-PCN-10GU+10G	X	X	X			X		X		
		5TCE-PCN-10GU+AES10G	X	X	X			X		X		
	10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X	X		X
		10TCE-PCN-16GU+AES100G		X	X	X		X	X	X		X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X		X
		10TCE-PCN-16GU+AES100G-F		X	X	X		X	X	X		X
	4TCC	4TCC-PCN-32GU+AES100G					X					
		4TCC-PCN-32GU+AES100G-G					X					
	9TCE	9TCE-PCN-10GU+AES10G-F		X				X		X		X
		9TCE-PCN-10GU+AES10G-G		X				X		X		X
		9TCE-PCN-10GU+AES10G	X	X				X		X		X
		9TCE-PCN-10GU+10G	X	X				X		X		X
	4TCA	4TCA-PCN-4GU+4G	X									
	2WCA	2WCA-PCN-10G	X	X	X					X		X
	5WCA	5WCA-PCN-16GU		X		X		X	X	X		X
	6WCA	6WCA-PCN-28GU	X	X		X			X	X	X	X
Protection	RSM	RSM-OLM#1630	X	X	X	X	X		X	X	X	X
	OPPM	OPPM	X	X	X	X	X		X	X	X	X
	CCCP	1PM, 2PM, Y-Cable	X	X	X	X	X		X	X	X	X
		10TCE and 5TCE family only										

22.5.2 / 22.5.3

	5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X		X	
		5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X		X	
		5TCE-PCN-10GU+10G	X	X	X			X		X	
		5TCE-PCN-10GU+AES10G	X	X	X			X		X	
	10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-F		X	X	X		X	X	X	X
	4TCC	4TCC-PCN-32GU+AES100G					X				
		4TCC-PCN-32GU+AES100G-G					X				
	9TCE	9TCE-PCN-10GU+AES10G-F		X				X		X	X
		9TCE-PCN-10GU+AES10G-G		X				X		X	X
		9TCE-PCN-10GU+AES10G	X	X				X		X	X
		9TCE-PCN-10GU+10G	X	X				X		X	X
	4TCA	4TCA-PCN-4GU+4G	X								
	2WCA	2WCA-PCN-10G	X	X	X					X	X
	5WCA	5WCA-PCN-16GU		X		X		X	X	X	X
	6WCA	6WCA-PCN-28GU	X	X		X			X	X	X
Protection	RSM	RSM-OLM#1630	X	X	X	X	X		X	X	X
	OPPM	OPPM	X	X	X	X	X		X	X	X
	CCCP	1PM, 2PM, Y-Cable	X	X	X	X	X		X	X	X
		10TCE and 5TCE family only									

Release	Family	Module	4G FC	8G FC	10G FC	16G FC	32G FC	ISC-3	1xIFB	CE LR	10GbE	25GbE	RoCE
22.1.1 / 22.1.3													
	5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X				X		X		
		5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X				X		X		
		5TCE-PCN-10GU+10G	X	X	X				X		X		
		5TCE-PCN-10GU+AES10G	X	X	X				X		X		
	10TCE	10TCE-PCN-16GU+100G		X	X	X			X	X	X		X
		10TCE-PCN-16GU+AES100G		X	X	X			X	X	X		X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X			X	X	X		X
		10TCE-PCN-16GU+AES100G-F		X	X	X			X	X	X		X
	4TCC	4TCC-PCN-32GU+AES100G					X						
		4TCC-PCN-32GU+AES100G-G					X						
	9TCE	9TCE-PCN-10GU+AES10G-F		X						X	X		X
		9TCE-PCN-10GU+AES10G-G		X						X	X		X
		9TCE-PCN-10GU+AES10G		X						X	X		X
		9TCE-PCN-10GU+10G		X						X	X		X
	4TCA	4TCA-PCN-4GU+4G	X										
	2WCA	2WCA-PCN-10G	X	X	X						X		X
	5WCA	5WCA-PCN-16GU		X		X			X	X	X		X
6WCA	6WCA-PCN-28GU	X	X		X				X	X	X	X	
Protection	RSM	RSM-OLM#1630	X	X	X	X	X		X	X	X		X
	OPPM	OPPM	X	X	X	X	X		X	X	X		X
	CCCP	1PM, 2PM, Y-Cable	X	X	X	X	X		X	X	X		X
		10TCE and 5TCE family only											
21.1.1													
	5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X				X		X		
		5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X				X		X		
		5TCE-PCN-10GU+10G	X	X	X				X		X		

Protection	10TCE	5TCE-PCN-10GU+AES10G	X	X	X			X		X	
		10TCE-PCN-16GU+100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-F		X	X	X		X	X	X	X
	4TCC	4TCC-PCN-32GU+AES100G					X				
		4TCC-PCN-32GU+AES100G-G					X				
	9TCE	9TCE-PCN-10GU+AES10G-F		X				X		X	X
		9TCE-PCN-10GU+AES10G-G		X				X		X	X
		9TCE-PCN-10GU+AES10G		X				X		X	X
		9TCE-PCN-10GU+10G		X				X		X	X
	4TCA	4TCA-PCN-4GU+4G	X								
	2WCA	2WCA-PCN-10G	X	X	X					X	X
	5WCA	5WCA-PCN-16GU		X		X		X	X	X	X
	RSM	RSM-OLM#1630	X	X	X	X	X	X	X	X	X
		OPPM	X	X	X	X	X	X	X	X	X
		1PM, 2PM, Y-Cable	X	X	X	X	X	X	X	X	X
		10TCE and 5TCE family only									

19.3.2

5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X		X	
	5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X		X	
	5TCE-PCN-10GU+10G	X	X	X			X		X	
	5TCE-PCN-10GU+AES10G	X	X	X			X		X	
10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X	X	X
	10TCE-PCN-16GU+AES100G		X	X	X		X	X	X	X
	10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X	X
	10TCE-PCN-16GU+AES100G-F		X	X	X		X	X	X	X
4TCC	4TCC-PCN-32GU+AES100G					X				

Release	Family	Module	4G FC	8G FC	10G FC	16G FC	ISC-3	1x1FB	CE LR	10GbE	RoCE
19.3.1											
	5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X		X	
		5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X		X	
		5TCE-PCN-10GU+10G	X	X	X			X		X	
		5TCE-PCN-10GU+AES10G	X	X	X			X		X	
	10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-F		X	X	X		X	X	X	X
	9TCE	9TCE-PCN-10GU+AES10G-F		X					X	X	X
		9TCE-PCN-10GU+AES10G-G		X					X	X	X
		9TCE-PCN-10GU+AES10G		X					X	X	X
		9TCE-PCN-10GU+10G		X					X	X	X
	4TCA	4TCA-PCN-4GU+4G	X								
	2WCA	2WCA-PCN-10G	X	X	X					X	X

	5WCA	5WCA-PCN-16GU		X		X		X	X		X	
Protection	RSM	RSM-OLM#1630	X	X	X	X		X	X		X	X
	OPPM	OPPM	X	X	X	X		X	X		X	X
	CCCP	1PM, 2PM, Y-Cable	X	X	X	X		X	X		X	X
		10TCE and 5TCE family only										

19.1.2

5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X			X	
	5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X			X	
	5TCE-PCN-10GU+10G	X	X	X			X			X	
	5TCE-PCN-10GU+AES10G	X	X	X			X			X	
10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X		X	X
	10TCE-PCN-16GU+AES100G		X	X	X		X	X		X	X
	10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X		X	X
	10TCE-PCN-16GU+AES100G-F		X	X	X		X	X		X	X
9TCE	9TCE-PCN-10GU+AES10G-F		X					X		X	X
	9TCE-PCN-10GU+AES10G-G		X					X		X	X
4TCA	4TCA-PCN-4GU+4G	X									
2WCA	2WCA-PCN-10G	X	X	X						X	X
5WCA	5WCA-PCN-16GU		X		X		X	X		X	

Protection	RSM	RSM-OLM#1630	X	X	X	X		X	X		X	X
	OPPM	OPPM	X	X	X	X		X	X		X	X
	CCCP	1PM, 2PM, Y-Cable	X	X	X	X		X	X		X	X
		10TCE and 5TCE family only										

17.2.2 / 17.2.3 / 17.2.4

5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X			X	
	5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X			X	
	5TCE-PCN-10GU+10G	X	X	X			X			X	
	5TCE-PCN-10GU+AES10G	X	X	X			X			X	
10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X		X	X

		10TCE-PCN-16GU+AES100G		X	X	X		X	X		X	X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X		X	X
		10TCE-PCN-16GU+AES100G-F		X	X	X		X	X		X	X
	9TCE	9TCE-PCN-10GU+AES10G-F		X					X		X	X
	4TCA	4TCA-PCN-4GU+4G	X									
	2WCA	2WCA-PCN-10G	X	X	X						X	X
	5WCA	5WCA-PCN-16GU		X		X		X	X		X	
	Protection	RSM	RSM-OLM#1630	X	X	X	X		X	X	X	X
		OPPM	OPPM	X	X	X	X		X	X	X	X
		CCCP	1PM, 2PM, Y-Cable	X	X	X	X		X	X	X	X
		5TCE family only										

17.1.1

	5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X			X		X	
		5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X			X		X	
		5TCE-PCN-10GU+10G	X	X	X			X		X	
		5TCE-PCN-10GU+AES10G	X	X	X			X		X	
	10TCE	10TCE-PCN-16GU+100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G		X	X	X		X	X	X	X
		10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X	X
	4TCA	4TCA-PCN-4GU+4G	X								
	2WCA	2WCA-PCN-10G	X	X	X					X	X
	5WCA	5WCA-PCN-16GU		X		X		X	X	X	
Protection	RSM	RSM-OLM#1630	X	X	X	X		X	X	X	X
	OPPM	OPPM	X	X	X	X		X	X	X	X
	CCCP	1PM, 2PM, Y-Cable	X	X	X	X		X	X	X	X
	10TCE and 5TCE family only										

16.1.3 / 16.1.4

5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X		X	X		X	
	5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X		X	X		X	

	5TCE-PCN-10GU+10G	X	X	X		X	X		X	
	5TCE-PCN-10GU+AES10G	X	X	X		X	X		X	
	10TCE-PCN-16GU+100G		X	X	X		X	X	X	X
10TCE	10TCE-PCN-16GU+AES100G		X	X	X		X	X	X	X
	10TCE-PCN-16GU+AES100G-BSI		X	X	X		X	X	X	X
4TCA	4TCA-PCN-4GU+4G	X				X				
2WCA	2WCA-PCN-10G	X	X	X					X	X
4WCE	4WCE-PCN-16GFC		X		X				X	X
5WCA	5WCA-PCN-16GU		X		X		X		X	
RSM	RSM-OLM#1630	X	X	X	X	X	X	X	X	X
OPPM	OPPM	X	X	X	X	X	X	X	X	X

13.2.2

	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X		X	X		X	
5TCE	5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X		X	X		X	
	5TCE-PCN-10GU+AES10G	X	X	X		X	X		X	
	10TCE-PCN-10G+100G		X						X	
10TCE	10TCE-PCN-16GU+100G		X	X	X		X		X	
	10TCE-PCN-16GU+AES100G		X	X	X		X		X	
4TCA	4TCA-PCN-4GU+4G	X				X				
2WCA	2WCA-PCN-10G	X	X	X					X	
4WCE	4WCE-PCN-16GFC		X		X				X	
5WCA	5WCA-PCN-16GU		X		X		X		X	
RSM	RSM-OLM#1630	X	X	X	X	X	X	X	X	

11.2.3

5TCE	5TCE-PCTN-10GU+10G-xx#Dy	X	X	X		X	X		X	
	5TCE-PCTN-10GU+AES10G-xx#Dy	X	X	X		X	X		X	
10TCE	10TCE-PCN-10G+100G		X						X	
4TCA	4TCA-PCN-4GU+4G	X				X				
WCA-PC	WCA-PC-10G-V#Dxx	X	X	X			X		X	



2WCA	2WCA-PCN-10G	X	X	X						X	
4WCE	4WCE-PCN-16GFC		X		X					X	
RSM	RSM-OLM#1630	X	X	X	X		X	X	X	X	

- Notes:
- RoCE is for SMC-R use
 - FICON is supported via cascaded directors (ISL)
 - For dispersion compensation, only 'Fiber Bragg Grating' based compensation is supported
 - RSM and OPPM based protection/restoration is available for all modules
 - For special features like e.g. frame based trunking, please contact your Adtran representative for support and technical guidance

The official IBM qualification letter is available on request, please use the web form.