




Specification		Model						
		FRM220-1000DS	FRM220-4G-3S	FRM220-2.7G-3S				
<b>Description</b>		1G Transponder (2R)		4G Transponder (2R)		2.7G Transponder (3R)		
<b>Fiber interface</b>	SFP	2-ports		3 ports		3 ports		
	SFP+							
	XFP							
	Connector Type	LC		LC		LC		
<b>Power</b>	Power types	12VDC		12VDC		12VDC		
<b>Front Panel</b>	Diagnostic LEDs	V		V		V		
<b>Console Interface RS-232</b>		via FRM220-CH02M chassis						
<b>Power</b>	1+1 Redundant fiber protection			V		V		
	service channel per card	1ch		1ch		1ch		
	Loop back test			V		V		
	Auto Laser Shutdown (ALS)	V		V		V		
	SNMP, Telnet management	via FRM220 chassis		via FRM220 chassis		via FRM220 chassis		
	Web management	via FRM220 chassis		via FRM220 chassis		via FRM220 chassis		
	TFTP f/w upgrade	V		V		V		
<b>P R O T O C O L</b>	4G FC	4.25 Gbps			V			
	OBSAI x4 / CPRI x5	3.072 Gbps			V			
	3G-SDI	2.970 Gbps			V			
	STM16 OTU1	2.66606 Gbps			V			
	STM16 ODU1	2.49878 Gbps			V			
	OC48 / STM16	2.48832 Gbps	V		V		V	
	CPRI x4	2.4576 Gbps	V		V			
	2G FC	2.125 Gbps	V		V		V	
	OBSAI x2	1.536 Gbps	V		V			
	HD-SDI	1.485 Gbps	V		V		V	
	1GE	1.25 Gbps	V		V		V	
	OC24	1.24416 Gbps	V		V		V	
	CPRI x2	1.2288 Gbps	V		V			
	1G FC	1.0625 Gbps	V		V		V	
	OBSAI x1	768 Mbps	V		V			
	OC12 / STM4	622.08 Mbps	V		V			
	CPRI x1	614.4 Mbps	V		V			
	OC-3 / STM1	155.52 Mbps	V		V		V	
	100Base-FX	125 Mbps	V		V		V	
	OC1 / STM0	51.84 Mbps	V		V		V	
DS3 / T3	44.736 Mbps	V		V		V		
E3	34.368 Mbps	V		V		V		
<b>Dimension (D x W x H) mm</b>		155 x 88 x 23		155 x 88 x 23		155 x 88 x 23		