



Card Types

This appendix provides a list of interface and card types supported in Cisco MetroPlanner, as well as the corresponding Cisco product ID (Tables B-1 to B-29).



Note

The card names in this appendix designated with “_C” or “_L” appear in Cisco MetroPlanner with a “_y” designation before network analysis. The “_y” designation indicates that Cisco MetroPlanner will use either a C- or L-band card, depending on the band selected during project creation.

Table B-1 OC-192/STM-64 (9.953 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with EFEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with FEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L without FEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1 Y-Cable	15454-10E-L1-xx.y= (C band) 15454-10E-L1-xx.y= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1 Y-Cable	15454-10E-L1-xx.y= (C band) 15454-10E-L1-xx.y= (L band)
Transponder	TXP_MR_10E without FEC	Client 1+1 Y-Cable	15454-10E-L1-xx.y= (C band) 15454-10E-L1-xx.y= (L band)
Transponder	TXP_MR_10G with FEC	Client 1+1 Y-Cable	15454-10T-L1-xx.y=
Transponder	TXP_MR_10G without FEC	Client 1+1 Y-Cable	15454-10T-L1-xx.y=
LineCard	OC-192 LR STM-64 LR	Client 1+1	15454-192L-1-xx.y= (ANSI) 15454E-64L-xx.y= (ETSI)

Table B-2 OC-48/STM-16 (2.488 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G with FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G TXPP_MR_2.5G without FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	MXP_2.5_10E_C and MXP_2.5_10E_L with EFEC	Client 1+1	15454-10ME-L1-C= (C band)
		Y-Cable	15454-10ME-L1-L= (L band)
Transponder	MXP_2.5_10E_C and MXP_2.5_10E_L with FEC	Client 1+1	15454-10ME-L1-C= (C band)
		Y-Cable	15454-10ME-L1-L= (L band)
Transponder	MXP_2.5_10E with EFEC	Client 1+1	15454-10ME-xx.y=
		Y-Cable	
Transponder	MXP_2.5_10ET with FEC	Client 1+1	15454-10ME-xx.y=
		Y-Cable	
Transponder	MXP_2.5_10G with FEC	Client 1+1	15454-10M-L1-xx.y=
		Y-Cable	
Transponder	MXP_2.5_10G without FEC	Client 1+1	15454-10M-L1-xx.y=
		Y-Cable	
LineCard	OC48ELR / SMT-16ELR	Client 1+1	15454-O48E-1-xx.y (ANSI)
			15454E-EL16HSxxyy= (ETSI)

Table B-3 OC-12/STM-4 (622 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G with FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G TXPP_MR_2.5G without FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-4 OC-3/STM-1 (155 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G with FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G TXPP_MR_2.5G without FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-5 10GE WAN PHY (9.953 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with EFEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L without FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E without FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10G with FEC	Client 1+1	15454-10T-L1-xx.y=
		Y-Cable	
Transponder	TXP_MR_10G without FEC	Client 1+1	15454-10T-L1-xx.y=
		Y-Cable	

Table B-6 10GE LAN PHY (10.3 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with EFEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)

Table B-6 10GE LAN PHY (10.3 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E_C and TXP_MR_10E_L without FEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E without FEC	Client 1+1 Y-Cable	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10G with FEC	Client 1+1 Y-Cable	15454-10T-L1-xx.y=
Transponder	TXP_MR_10G without FEC	Client 1+1 Y-Cable	15454-10T-L1-xx.y=

Table B-7 GE (1.25Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_2.5G MXPP_MR_2.5G	Client 1+1 Y-Cable Fiber-Switched	15454-DM-L1-xx.y= (Unprot) 15454-DMP-L1-xx.y= (Prot)
Transponder	MXP_MR_10DME with EFEC	Client 1+1 Y-Cable	15454-10DME-C= (C band) 15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1 Y-Cable	15454-10DME-C= (C band) 15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1 Y-Cable	15454-10DME-C= (C band) 15454-10DME-L= (L band)
Transponder	TXP_MR_2.5G TXPP_MR_2.5G with FEC	Client 1+1 Y-Cable Fiber-Switched	15454-MR-L1-xx.y= (Unprot) 15454-MRP-L1-xx.y= (Prot)
Transponder	TXP_MR_2.5G TXPP_MR_2.5G without FEC	Client 1+1 Y-Cable Fiber-Switched	15454-MR-L1-xx.y= (Unprot) 15454-MRP-L1-xx.y= (Prot)
Pluggable	GE DWDM GBIC	Client 1+1	15454-GBIC-xx.y=

Table B-8 Fast Ethernet (100 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
	TXPP_MR_2.5G 2R	Y-Cable Fiber-Switched	15454-MRP-L1-xx.y= (Prot)

Table B-9 FC-10G (10.5 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with EFEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L without FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E without FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable	15454-10E-L1-L= (L band)

Table B-10 FC-4G (4.25 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)

Table B-11 FC-2G (2.125 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_2.5G	Client 1+1	15454-DM-L1-xx.y= (Unprot)
	MXPP_MR_2.5G	Y-Cable	15454-DMP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
	TXPP_MR_2.5G with FEC	Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
	TXPP_MR_2.5G without FEC	Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-12 FC-1G (1.062 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_2.5G	Client 1+1	15454-DM-L1-xx.y= (Unprot)
	MXPP_MR_2.5G	Y-Cable	15454-DMP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
	TXPP_MR_2.5G with FEC	Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
	TXPP_MR_2.5G without FEC	Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-13 FICON-2G (2.125 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_2.5G MXPP_MR_2.5G	Client 1+1	15454-DM-L1-xx.y= (Unprot)
		Y-Cable	15454-DMP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	TXP_MR_2.5G TXPP_MR_2.5G with FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G TXPP_MR_2.5G without FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-14 FICON-1G (1.062 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_2.5G MXPP_MR_2.5G	Client 1+1	15454-DM-L1-xx.y= (Unprot)
		Y-Cable	15454-DMP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	TXP_MR_2.5G TXPP_MR_2.5G with FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	
Transponder	TXP_MR_2.5G TXPP_MR_2.5G without FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-15 ESCON (200 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_2.5G	Client 1+1	15454-DM-L1-xx.y= (Unprot)
	MXPP_MR_2.5G	Y-Cable Fiber-Switched	15454-DMP-L1-xx.y= (Prot)
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
	TXPP_MR_2.5G 2R	Y-Cable Fiber-Switched	15454-MRP-L1-xx.y= (Prot)

Table B-16 ISC-Compat (1.062 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G without FEC	Client 1+1	15454-MR-L1-xx.y= (Unprot)
			15454-MRP-L1-xx.y= (Prot)
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band) 15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band) 15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band) 15454-10DME-L= (L band)

Table B-17 ISC-Peer 2R

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
			15454-MRP-L1-xx.y= (Prot)

Table B-18 ISC-3 Peer-1G (1.062 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DME with EFEC	Client 1+1 Y-Cable	15454-10DME-C= (C band)
			15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1 Y-Cable	15454-10DME-C= (C band)
			15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1 Y-Cable	15454-10DME-C= (C band)
			15454-10DME-L= (L band)

Table B-19 ISC-3 Peer-2G (2.125 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)

Table B-20 Sysplex ETR (8 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
			15454-MRP-L1-xx.y= (Prot)

Table B-21 Sysplex CLO (8 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
			15454-MRP-L1-xx.y= (Prot)

Table B-22 SDI

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-23 DVB-ASI

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-24 D1-Video (270 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-25 HDTV (1.48 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-26 DV-6000 (2.38 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-27 2R Any Rate

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_2.5G TXPP_MR_2.5G 2R	Client 1+1	15454-MR-L1-xx.y= (Unprot)
		Y-Cable	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-28 ONS 15530 2.5G ITU-T

Interface Type	Card Type	Protection Type	Product ID
TXP	MR MM TXP	Client 1+1	15530-TSP1-xx21 (MM Unprot)
	MR SM TXP	Fiber-Switched	15530-TSP1-xx22 (SM Unprot)
	MR MM TXP with splitter		15530-TSP1-xx11 (MM Prot)
	MR SM TXP with splitter		15530-TSP1-xx12 (SM Prot)
LC	2.5-Gbps Aggregation	Client 1+1	15530-ITU3-xx20 (Unprot)
	2.5-Gbps Aggregation with splitter	Fiber-Switched	15530-ITU3-xx10 (Prot)

Table B-29 ONS 15530 10G ITU-T

Interface Type	Card Type	Protection Type	Product ID
LC	10-Gbps Aggregation	Client 1+1	15530-ITU2-xx20 (Unprot)
	10-Gbps Aggregation with splitter	Fiber-Switched	15530-ITU2-xx10 (Prot)
MXP	Data Muxponder	Client 1+1	15530-MSMP-xx22 (Unprot)
	Data Muxponder with splitter	Fiber-Switched	15530-MSMP-xx12 (Prot)

