



APPENDIX **B**

Card Types

This appendix provides a list of interface and card types supported in Cisco Transport Planner, as well as the corresponding Cisco product ID (Tables B-1 to B-40).



Note

The card names in this appendix designated with “_C” or “_L” appear in Cisco Transport Planner with a “_y” designation before network analysis. The “_y” designation indicates that Cisco Transport Planner 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
Line Card	10G_XR without FEC	Client 1+1 Y-Cable PSM-OCH	15454-10G-XR=
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with EFEC ¹	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_C and TXP_MR_10E_L with FEC ²	Client 1+1 Y-Cable PSM-OCH	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 PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1 Y-Cable PSM-OCH	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 PSM-OCH	15454-10E-L1-xx.y= (C band) 15454-10E-L1-xx.y= (L band)

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

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E without FEC	Client 1+1	15454-10E-L1-xx.y= (C band)
		Y-Cable	15454-10E-L1-xx.y= (L band)
		PSM-OCH	
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	
Line Card	OC-192 LR	Client 1+1	15454-192L-1-xx.y= (ANSI)
	STM-64 LR		15454E-64L-xx.y= (ETSI)
Transponder	OTU-2_XP with EFEC	Y-Cable	15454-OTU2-XP=
		Client 1+1	
		PSM-OCH	
		Fiber-Switched	
Transponder	OTU-2_XP with FEC	Y-Cable	15454-OTU2-XP=
		Client 1+1	
		PSM-OCH	
		Fiber-Switched	
Transponder	OTU-2_XP without FEC	Y-Cable	15454-OTU2-XP=
		Client 1+1	
		PSM-OCH	
		Fiber-Switched	
Transponder	TXP_MR_10EX_C with EFEC and FEC	Client 1+1	15454-10EX-L1-C=
		Y-Cable	
		PSM OCH	
Transponder	40G DQPSK MXP with FEC	Client 1+1	15454-40G-MXP-C=
		Y-Cable	
		PSM OCH	
Transponder	40G DQPSK MXP with EFEC	Client 1+1	15454-40G-MXP-C=
		Y-Cable	
		PSM OCH	
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1	15454-40G-CP-DQPSK-MXP-C=
		Y-Cable	
		PSM OCH	

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

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

1. Enhanced forward error correction.
2. Forward error correction.

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 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)
Transponder	MXP_2.5_10E_C and MXP_2.5_10E_L with EFEC	Client 1+1 Y-Cable	15454-10ME-L1-C= (C band) 15454-10ME-L1-L= (L band)
Transponder	MXP_2.5_10E_C and MXP_2.5_10E_L with FEC	Client 1+1 Y-Cable	15454-10ME-L1-C= (C band) 15454-10ME-L1-L= (L band)
Transponder	MXP_2.5_10EX_C with EFEC	Client 1+1 Y-Cable	15454-10EX-L1-C=
Transponder	MXP_2.5_10EX_C with FEC	Client 1+1 Y-Cable	15454-10EX-L1-C=
Transponder	MXP_2.5_10E with EFEC	Client 1+1 Y-Cable	15454-10ME-xx.y=
Transponder	MXP_2.5_10ET with FEC	Client 1+1 Y-Cable	15454-10ME-xx.y=
Transponder	MXP_2.5_10G with FEC	Client 1+1 Y-Cable	15454-10M-L1-xx.y=

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

Transponder	MXP_2.5_10G without FEC	Client 1+1 Y-Cable	15454-10M-L1-xx.y=
Transponder	MXP_2.5G_10E with FEC	Client 1+1 Y-Cable	15454-10ME-L1-xx.y=
Transponder	MXP_2.5G_10E without FEC	Client 1+1 Y-Cable	15454-10ME-L1-xx.y=
Transponder	MXP_2.5G_10E_y with FEC	Client 1+1 Y-Cable	15454-10ME-L1-xx.y=
Transponder	MXP_2.5G_10E_y without FEC	Client 1+1 Y-Cable	15454-10ME-L1-xx.y=
Line Card	OC48ELR / SMT-16ELR	Client 1+1	15454-O48E-1-xx.y (ANSI) 15454E-EL16HSxyy= (ETSI)
Line Card	MRC-I-12	Client 1+1	15454E-MRC-I-12=
PL	DWDM ITU-T SFP	Client 1+1	ONS-SC-4G=
Transponder	ADM-10G with EFEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G with FEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G without FEC	Client 1+1	15454-ADM-10G=
Transponder	MXP_2.5G_10EX_C with EFEC and FEC	Client 1+1 Y-Cable PSM OCH	15454-10MEX-L1-C=

Table B-3 OTU2

Interface Type	Card Type	Protection Type	Product ID
Transponder	OTU-2_XP with EFEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP without FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=

Table B-3 OTU2

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-4 OTU2e

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=

Table B-4 OTU2e

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-5 OTU3

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK TXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-TXP-C=
Transponder	40G CP-DQPSK TXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-TXP-C=
Transponder	40G CP-DQPSK ME TXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-TXP-C=
Transponder	40G CP-DQPSK ME TXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-TXP-C=

Table B-6 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 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)
Transponder	ADM-10G with EFEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G with FEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G without FEC	Client 1+1	15454-ADM-10G=

Table B-7 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	
Transponder	ADM-10G with EFEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G with FEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G without FEC	Client 1+1	15454-ADM-10G=

Table B-8 OC-768/STM-256 (40 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Line Card	CRS-1 40G DPSK ITU-T LC	Client 1+1	10C768-DPSK/C=
		PSM-OCH	
Line Card	CRS-1 40G ITU-T LC	Client 1+1	10C768-ITU/C
		PSM-OCH	
Transponder	40G DWDM ITU-T TXP	Client 1+1	40G-DWDM-ITU-T-TXP-C
		PSM-OCH	
Transponder	40G CP-DQPSK TXP with FEC	Client 1+1	15454-40G-CP-DQPSK-TXP-C=
		Y-Cable	
		PSM OCH	
Transponder	40G CP-DQPSK TXP with EFEC	Client 1+1	15454-40G-CP-DQPSK-TXP-C=
		Y-Cable	
		PSM OCH	
Transponder	40G CP-DQPSK ME TXP with FEC	Client 1+1	15454-40G-CP-DQPSK-ME-TXP-C=
		Y-Cable	
		PSM OCH	
Transponder	40G CP-DQPSK ME TXP with EFEC	Client 1+1	15454-40G-CP-DQPSK-ME-TXP-C=
		Y-Cable	
		PSM OCH	

Table B-9 40Gigabit Ethernet Local Area Network ATM Physical Layer (40GE LAN PHY)

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK TXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-TXP-C=
Transponder	40G CP-DQPSK TXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-TXP-C=
Transponder	40G CP-DQPSK ME TXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-TXP-C=
Transponder	40G CP-DQPSK ME TXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-TXP-C=

Table B-10 10Gigabit Ethernet Wide Area Network ATM Physical Layer (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 Y-Cable PSM-OCH	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 PSM-OCH	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 PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E without FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)

Table B-10 10Gigabit Ethernet Wide Area Network ATM Physical Layer (10GE WAN PHY) (9.953 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
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=
Transponder	OTU-2_XP with EFEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP without FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	TXP_MR_10EX_C with EFEC and FEC	Client 1+1 Y-Cable PSM OCH	15454-10EX-L1-C=
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=

**Table B-10 10Gigabit Ethernet Wide Area Network ATM Physical Layer (10GE WAN PHY)
(9.953 Gbps) (continued)**

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-11 10Gigabit Ethernet Local Area Network ATM Physical Layer (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 Y-Cable PSM-OCH	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 PSM-OCH	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 PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E without FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_y with EFEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_y with FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-L= (L band)

Table B-11 10Gigabit Ethernet Local Area Network ATM Physical Layer (10GE LAN PHY)(10.3 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E_y without FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-L= (L band)
Transponder	10GE_XP with EFEC	Client 1+1 Y-Cable	15454-10GE-XP = (Unprot) 15454-10GE-XP = (Prot)
Transponder	10GE_XP with FEC	Client 1+1 Y-Cable	15454-10GE-XP = (Unprot) 15454-10GE-XP = (Prot)
Transponder	10GE_XP without FEC	Client 1+1 Y-Cable	15454-10GE-XP = (Unprot) 15454-10GE-XP = (Prot)
Transponder	10GE_XPE with EFEC	Client 1+1 Y-Cable	15454-10GE-XPE=
Transponder	10GE_XPE with FEC	Client 1+1 Y-Cable	15454-10GE-XPE=
Transponder	10GE_XPE without FEC	Client 1+1 Y-Cable	15454-10GE-XPE=
Transponder	OTU-2_XP with EFEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP without FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	10GE_EXP with EFEC	Y-Cable Client 1+1	15454-10GE-XPE=
Transponder	10GE_EXP with FEC	Y-Cable Client 1+1	15454-10GE-XPE=
Transponder	10GE_EXP without FEC	Y-Cable Client 1+1	15454-10GE-XPE=

Table B-11 10Gigabit Ethernet Local Area Network ATM Physical Layer (10GE LAN PHY)(10.3 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10EX_C with EFEC	Client 1+1 Y-Cable PSM OCH	15454-10EX-L1-C=
Transponder	TXP_MR_10EX_C with FEC	Client 1+1 Y-Cable PSM OCH	15454-10EX-L1-C=
Line Card	4-10GE-ITU with EFEC	Client 1+1 PSM OCH	4-10GE-ITU/C=
Line Card	4-10GE-ITU with FEC	Client 1+1 PSM OCH	4-10GE-ITU/C=
Line Card	4-10GE-ITU without FEC	Client 1+1 PSM OCH	4-10GE-ITU/C=
Line Card	10GE-ITU with EFEC	Client 1+1 PSM OCH	10GE-ITU/C=
Line Card	10GE-ITU with FEC	Client 1+1 PSM OCH	10GE-ITU/C=
Line Card	10GE-ITU without FEC	Client 1+1 PSM OCH	10GE-ITU/C=
Line Card	DWDM XENPAK without FEC	Client 1+1 PSM OCH	DWDM-XENPAK-xx.yy=
PL	DWDM XFP on Cat with EFEC	Client 1+1 PSM OCH	DWDM-XFP-xx.yy=
PL	DWDM XFP on Cat with FEC	Client 1+1 PSM OCH	DWDM-XFP-xx.yy=
PL	DWDM XFP on Cat without FEC	Client 1+1 PSM OCH	DWDM-XFP-xx.yy=
PL	DWDM X2 without FEC	Client 1+1 PSM OCH	DWDM-X2-xx.yy=
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=

Table B-11 10Gigabit Ethernet Local Area Network ATM Physical Layer (10GE LAN PHY)(10.3 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-12 10Gigabit Ethernet LAN-to-WAN

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-12 10Gigabit Ethernet LAN-to-WAN (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	OTU-2_XP with EFEC	Client 1+1 Y-Cable PSM OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with FEC	Client 1+1 Y-Cable PSM OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with out EFEC	Client 1+1 Y-Cable PSM OCH Fiber-Switched	15454-OTU2-XP=

Table B-13 Gigabit Ethernet (1.25Gbps)

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)
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=
Transponder	GE_XP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-GE-XP = (Unprot) 15454-GE-XP = (Prot)
Transponder	GE_XP with FEC	Client 1+1 Y-Cable PSM OCH	15454-GE-XP = (Unprot) 15454-GE-XP = (Prot)

Table B-13 Gigabit Ethernet (1.25Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	GE_XP without FEC	Client 1+1 Y-Cable PSM OCH	15454-GE-XP = (Unprot) 15454-GE-XP = (Prot)
Transponder	GE_XPE with EFEC	Client 1+1 Y-Cable PSM OCH	15454-GE-XPE=
Transponder	GE_XPE with FEC	Client 1+1 Y-Cable PSM OCH	15454-GE-XPE=
Transponder	GE_XPE without FEC	Client 1+1 Y-Cable PSM OCH	15454-GE-XPE=
Transponder	ADM-10G with EFEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G with FEC	Client 1+1	15454-ADM-10G=
Transponder	ADM-10G without FEC	Client 1+1	15454-ADM-10G=
Transponder	10GE_EXP with EFEC	Y-Cable Client 1+1	15454-10GE-XPE=
Transponder	10GE_EXP with FEC	Y-Cable Client 1+1	15454-10GE-XPE=
Transponder	10GE_EXP without FEC	Y-Cable Client 1+1	15454-10GE-XPE=
Transponder	GE_EXP with EFEC	Y-Cable Client 1+1 PSM-OCH	15454-GE-XPE=
Transponder	GE_EXP with FEC	Y-Cable Client 1+1 PSM-OCH	15454-GE-XPE=
Transponder	GE_EXP without FEC	Y-Cable Client 1+1 PSM-OCH	15454-GE-XPE=
Transponder	MXP_MR_10DMEX_C with EFEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=

Table B-13 Gigabit Ethernet (1.25Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DMEX_C with FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
Transponder	MXP_MR_10DMEX_C without FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
PL	DWDM GBIC without FEC	Client 1+1	15454-GBIC-xx.y=
PL	DWDM ITU-T SFP without FEC	Client 1+1 PSM-OCH	ONS-SC-4G=

Table B-14 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	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-15 Fiber Channel 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 PSM-OCH	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 PSM-OCH	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 PSM-OCH	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with EFEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable PSM-OCH	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E with FEC	Client 1+1	15454-10E-L1-C= (C band)
		Y-Cable PSM-OCH	15454-10E-L1-L= (L band)

Table B-15 Fiber Channel 10G (10.5 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	TXP_MR_10E without FEC	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E TXP_MR_10E_y	Client 1+1 Y-Cable PSM-OCH	15454-10E-L1-C= (C band) 15454-10E-L1-L= (L band)
Transponder	OTU-2_XP with EFEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP without FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	TXP_MR_10EX_C with EFEC and FEC	Client 1+1 Y-Cable PSM OCH	15454-10EX-L1-C=
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=

Table B-15 *Fiber Channel 10G (10.5 Gbps) (continued)*

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-16 *Fiber Channel 8G*

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G CP-DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-MXP-C=
Transponder	40G CP-DQPSK ME MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=
Transponder	40G CP-DQPSK ME MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-CP-DQPSK-ME-MXP-C=

Table B-17 *Fiber Channel 4G (4.25 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)

Table B-17 Fiber Channel 4G (4.25 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		Y-Cable	15454-10DME-L= (L band)
Transponder	MXP_MR_10DMEX_ C with FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=

Table B-18 Fiber Channel 2G (2.125 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DMEX_ C with FEC	Y-Cable	15454-10DMEX-C=
		Client 1+1 PSM-OCH	
Transponder	MXP_MR_10DMEX_ C without FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
PL	DWDM ITU-T SFP without FEC	Client 1+1 PSM-OCH	ONS-SC-4G=

Table B-19 Fiber Channel 1G (1.062 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)
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_MR_10DMEX_C with EFEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=

Table B-19 Fiber Channel 1G (1.062 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DMEX_C with FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
Transponder	MXP_MR_10DMEX_C without FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
PL	DWDM ITU-T SFP without FEC	Client 1+1 PSM-OCH	ONS-SC-4G=

Table B-20 2 Gbps Fiber Connectivity (2.125 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)
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)
Transponder	MXP_MR_10DMEX_C with EFEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
Transponder	MXP_MR_10DMEX_C with FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
Transponder	MXP_MR_10DMEX_C without FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
PL	DWDM ITU-T SFP without FEC	Client 1+1 PSM-OCH	ONS-SC-4G=

Table B-21 FICON-10G (10.5 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	OTU-2_XP with EFEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP with FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	OTU-2_XP without FEC	Y-Cable Client 1+1 PSM-OCH Fiber-Switched	15454-OTU2-XP=
Transponder	TXP_MR_10E_y with EFEC	Y-Cable Client 1+1 PSM-OCH	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_y with FEC	Y-Cable Client 1+1 PSM-OCH	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10E_y without FEC	Y-Cable Client 1+1 PSM-OCH	15454-10E-L1-L= (L band)
Transponder	TXP_MR_10EX_C with EFEC and FEC	Client 1+1 Y-Cable PSM OCH	15454-10EX-L1-C=
Transponder	TXP_MR_10E with EFEC	Client 1+1 Y-Cable PSM-OCH	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 PSM-OCH	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 PSM-OCH	15454-10E-L1-xx.y= (C band) 15454-10E-L1-xx.y= (L band)

Table B-21 FICON-10G (10.5 Gbps) (continued)

Interface Type	Card Type	Protection Type	Product ID
Transponder	40G DQPSK MXP with FEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=
Transponder	40G DQPSK MXP with EFEC	Client 1+1 Y-Cable PSM OCH	15454-40G-MXP-C=

Table B-22 FICON-4G (4.25 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)

Table B-23 FICON-1G (1.062 Gbps)

Interface Type	Card Type	Protection Type	Product ID
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	MXP_MR_10DMEX_C with EFEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
Transponder	MXP_MR_10DMEX with FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
Transponder	MXP_MR_10DMEX_C without FEC	Y-Cable Client 1+1 PSM-OCH	15454-10DMEX-C=
PL	DWDM ITU-T SFP without FEC	Client 1+1 PSM-OCH	ONS-SC-4G=

Table B-24 Enterprise System Connection (ESCON) (200 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	15454-MRP-L1-xx.y= (Prot)
		Fiber-Switched	

Table B-25 ISC-3 Compatibility Mode (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)
Transponder	MXP_MR_10DMEX	Y-Cable	15454-10DMEX-C=
		Client 1+1	
		PSM-OCH	

Table B-26 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-27 ISC-3 Peer-1G (1.062 Gbps)

Interface Type	Card Type	Protection Type	Product ID
Transponder	MXP_MR_10DME with EFEC	Client 1+1	15454-10DME-C= (C band)
		PSM-OCH	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		PSM-OCH	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		PSM-OCH	15454-10DME-L= (L band)
Transponder	MXP_MR_10DMEX_C with EFEC and FEC	Client 1+1	15454-10DMEX-C=
		PSM-OCH	

Table B-28 *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)
		PSM-OCH	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME with FEC	Client 1+1	15454-10DME-C= (C band)
		PSM-OCH	15454-10DME-L= (L band)
Transponder	MXP_MR_10DME without FEC	Client 1+1	15454-10DME-C= (C band)
		PSM-OCH	15454-10DME-L= (L band)
Transponder	MXP_MR_10DMEX_C with EFEC and FEC	Client 1+1 PSM-OCH	15454-10DMEX-C=

Table B-29 *Sysplex External Throughput Rate (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-30 *Sysplex Control Link Oscillator (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-31 *Serial Data Input*

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-32 *Digital Video Broadcast-Asynchronous Serial Interface*

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-33 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-34 High Definition Television (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-35 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-36 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-37 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-38 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)

Table B-39 Supported XFPs

Card	XFPs Supported	Default XFP
ADM-10G	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
10GE-XP	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
10GE-XPE	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
OTU-2_XP	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
10G-XR	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C 	ONS-XC-10G-C
GE-XP	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
GE-XPE	<ul style="list-style-type: none"> ONS-XC-10G ONS-XC-10G-C ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
GE-XP	<ul style="list-style-type: none"> ONS-SC-EOP1 ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-SC-EOP1

Table B-39 Supported XFPs (continued)

40G DQPSK MXP	<ul style="list-style-type: none"> • ONS-XC-10G-1470 through ONS-XC-10G-1610 • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-10G-C • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-SR-MM • ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
40G CP-DQPSK MXP	<ul style="list-style-type: none"> • ONS-XC-10G-1470 through ONS-XC-10G-1610 • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-10G-C • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-SR-MM • ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C
40G CP-DQPSK ME MXP	<ul style="list-style-type: none"> • ONS-XC-10G-1470 through ONS-XC-10G-1610 • ONS-XC-10G-S1 • ONS-XC-10G-I2 • ONS-XC-10G-L2 • ONS-XC-10G-C • ONS-XC-8G-SM • ONS-XC-8G-MM • ONS-XC-10G-SR-MM • ONS-XC-10G-EP30.3= through ONS-XC-10G-EP61.4= 	ONS-XC-10G-C

Table B-40 E3/ T3/DS3 (100 Mbps)

Interface Type	Card Type	Protection Type	Product ID
Muxponder	GE_XPE with EFEC	Client 1+1 PSM-OCH	15454-GE-XPE=

Table B-40 E3/ (continued)T3/DS3 (100 Mbps)

Muxponder	GE_XPE without EFEC	Client 1+1 PSM-OCH	15454-GE-XPE=
Muxponder	GE_XPE with FEC	Client 1+1 PSM-OCH	15454-GE-XPE=