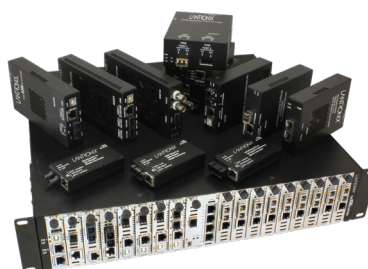


# Product Line Card

## Media Converters

Fast Ethernet	Slide-in Card	Stand-Alone	Mini	PoE Stand-Alone	Hardened Stand-Alone	Hardened Mini
100Base-TX to 100Base-FX	C2110 Series	E-100BTX-FX-06 Series	M/E-TX Series		E-100BTX-FX-05(HT) Series	
<b>Ethernet / Fast Ethernet</b>						
10/100Base-TX to 100Base-FX	C2210 Series	SBFTF Series	M/E-PSW Series	SPOEB Series		M/E-ISW Series
10/100Base-TX to 100Base-FX with OAM/IP-Based Management	C2220 Series	S2220 Series				
10/100Base-TX Fault-Tolerant Redundant Link Protector		SBFTF1010-130				
<b>Gigabit Ethernet</b>						
1000Base-T to 1000Base-SX/LX	C3110 Series	SGETF Series	M/GE-T Series			
<b>Ethernet / Fast Ethernet / Gigabit Ethernet</b>						
10/100/1000Base-T to 1000Base-SX/LX	C3210 Series	SGFEB Series	M/GE-PSW Series		SISTG10xx-211-LRT-B Series	M/GE-ISW Series M/GE-ISW-SFP-01-PD
Unidirectional 10/100/1000Base-T to 1000Base-X SFP Slot			M/GE-xSW-SFP-01-xx-UxX Series			M/GE-xSW-SFP-01-xx-UxX Series
10/100/1000Base-T PoE+ PSE to 1000Base-X			M/GE-PSW-PSE-01	SGPAT Series		
100/1000Base-X + 10/100/1000Base-T PoE+				SH-ES-111D-LRT	SH-ES-111D-LRT	
100/1000Base-X + (2) 10/100/1000Base-T PoE+				SH-ES-121D-LRT	SH-ES-121D-LRT	
10/100/1000Base-T to 1000Base-X with 802.3ah OAM/IP-Based Management	C3220 Series	S3220 Series			S3220 Series	
10/100/1000Base-T to 1000Base-X with 802.1ag OAM/IP-Based Management	C3230 Series	S3230 Series				
<b>10 Gigabit Ethernet</b>						
10GBase-T Copper to Fiber	C4120-1048	S4120-1048				
10GBase-X to 10GBase-X + 10/100/1000Base-T with Remote Layer 2 Management	C4221-4848					
<b>Fiber to Fiber Multi-Rate</b>						
SFP to SFP for Data Rates from 100Mbps to 2.5 Gbps	C3100-4040	S3100-4040				
Fiber to Fiber for Data Rates from 100Mbps to 155Mbps		F-SM-MM-02				
Fiber to Fiber for 1000Base-X or 1000Base Fiber Channel		SFMFF1314-220				
SFP+ to SFP+ for Data Rates from 1 Gbps to 11.5 Gbps	C4110-4848	S4110-4848				

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Media Conversion Platform

# Media Converters

Ethernet Extenders	Slide-in Card	Stand-Alone	Mini	PoE Stand-Alone	Hardened Stand-Alone	Hardened Mini
10/100/1000Base-X + 1000Base-T RJ-45 or 2-Wire Terminal Block				E02PSE4052-111 & E02PD4052-111	E02PSE4052-111 & E02PD4052-111	
100/1000Base-X + 1000Base Coax BNC				E0CPSE4020-110 & E0CPD4020-110	E0CPSE4020-110 & E0CPD4020-110	
Ethernet Extender SFP, 1000Base-X, RJ-45					TN-EOT-xx Series	

## DS3 - T3/E3

DS3 – T3/E3 Coax over Fiber	C6210 Series				S6210 Series	
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## DS1 - T1/E1/J1

T1/E1 over Fiber	C6010 Series				S6010 Series	
4 x T1/E1/J1 over Fiber	C6110-1040				S6110-1040	
4 x T1/E1/J1 + 10/100 Ethernet over Fiber	C6120 Series				S6120 Series	
Twisted Pair (RJ-11) to (1) SFP Slot	C6310-3340	S6310-3340				

## Serial

RS232 Copper to Fiber Media Converter		J/R232 Series				
RS-232/422/485 + (2) 10/100Base-TX Slim					SDSTX3110-121S-LRT	
(4) RS-232/422/485 + (2) 10/100Base-TX					SDSTX3110-124-LRT-B	

## PoE Mid-span Injectors Note: For more PoE options, view Power-over-Ethernet Products.

10/100/1000Base-T + 10/100/1000Base-T PoE+				SHES-1200-LRT	SHES-1200-LRT	
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Chassis	Chassis	Accessories	AC Power Supply	DC Power Supply
1-Slot ION Chassis	ION001-A			
2-Slot ION Chassis	ION002-AD			
6-Slot ION Chassis	ION106		IONPS6-A	IONPS6-D
19-Slot ION Chassis	ION219		IONPS-A-R1	IONPS-D-R1
ION Management Module		IONMM Series		
ION Adapter Card		IONADP		
18-Slot Mini Media Converter Chassis	M-MCR-01			
12-Slot Media Converter Rack	E-MCR-05			
4-Slot Media Converter Shelf	RMS19-SA4-02			
2-Slot Shelf for S3290 Series NID	RMS19-NID2-01			



ION219



ION106