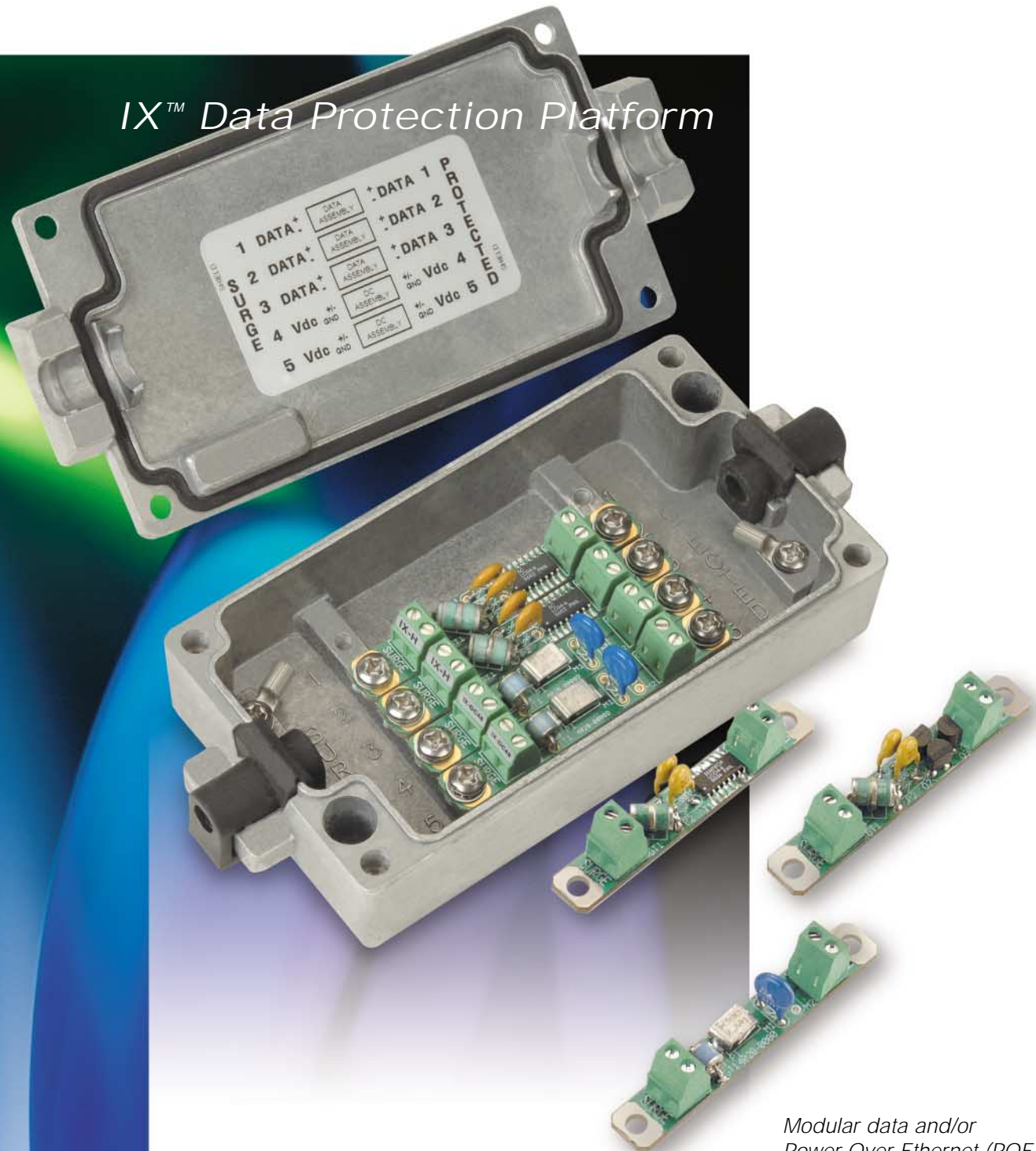


IX™ Data Protection Platform



PolyPhaser
CORPORATION

Modular data and/or
Power Over Ethernet (POE)
protection, available
in various configurations.

Cat5 Compatible

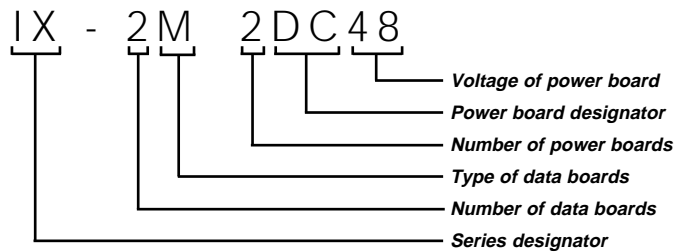
Indoor or Outdoor models
available



Configurable to your application Data only or Power over Ethernet

- Connections:** # 16 - 28 AWG
- Temperature:** -40° to +65° C storage
-40° to +50° C operating
- Vibration:** 1 G @ 5 Hz to 100 Hz
- Environmental:** (Outdoor unit)
BELLCORE #TA-NWT-000487,
Procedure 4.11
Wind Driven (70 MPH) Rain
- Surge Current:** BELLCORE 1089,
100A @ 10/1000 uSec
- Max Surge Current:** 300A @ 10/1000 uSec
- Agency Approval:** UL497B - Listed
- Accessory:** Pole Mount (sold separately)

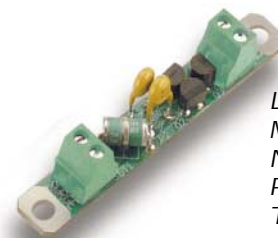
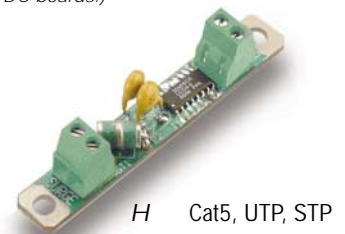
Part Number Matrix:



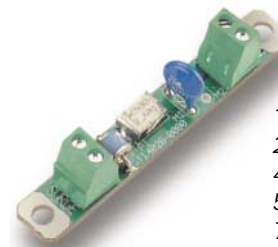
Notes:
If not using either power or data boards simply drop them from the part number.

Examples:

- IX-4L (4 "L" data boards and no power boards)
- IX-6DC56 (6 "56 Volt" DC boards and no data boards.)
- IX-2L2DC48 (2 "L" data and 2 "48Volt" DC boards.)



- L T1/E1, RS422, RS485
- M RS232
- N POE
- P Pots/ext Lines
- T Ring voltage, DSL, ADSL, HDSL



- 12 +/-12 Vdc Power
- 24 +/-24 Vdc Power
- 48 +/-48 Vdc Power
- 56 +/-56 Vdc Power
- 72 +/-72 Vdc Power

Board	Application	Turn On Voltage	Series Impedance	Capacitance (Differential)	Capacitance (Common)
H	Cat5, UTP, STP	+9 Vdc +/-10%	1 Ohm +/- 20%	30 pF Typical	15 pF Typical
L	T1/E1, RS422, RS485	+/- 12 Typical	1 Ohm +/- 20%	100 pF Typical	100 pF Typical
M	RS232	+/- 31 Typical	1 Ohm +/- 20%	100 pF Typical	100 pF Typical
N	POE	+/- 64 Typical	1 Ohm +/- 20%	50 pF Typical	50 pF Typical
P	Pots/ext Lines	+/- 110 Typical	1 Ohm +/- 20%	40 pF Typical	40 pF Typical
T	Ring voltage, DSL, ADSL, HDSL	+/- 210 Typical	1 Ohm +/- 20%	30 pF Typical	30 pF Typical
12	12 Vdc Power	+/- 18 Vdc +/- 10%	.05 Ohm +/- 20%	N/A	N/A
24	24 Vdc Power	+/- 33 Vdc +/- 10%	.05 Ohm +/- 20%	N/A	N/A
48	48 Vdc Power	+/- 56 Vdc +/- 10%	.05 Ohm +/- 20%	N/A	N/A
56	56 Vdc Power	+/- 68 Vdc +/- 10%	.05 Ohm +/- 20%	N/A	N/A
72	72 Vdc Power	+/- 82 Vdc +/- 10%	.05 Ohm +/- 20%	N/A	N/A

<i>Application</i>	<i>Old Part Number</i>	<i>Replace with</i>
T1 One Line	IS-T1	IX-2L (1 pair Tx/Rx)
T1 Two Line*	IS-3T1	IX-6L (3 pair Tx/Rx)*
RS232 & 562 - One Line	IS-SPDDL	IX-1M
RS232 & 562 - Two Lines	IS-DPDDL	IX-2M
RS232 & 562 - Three Lines*	IS-6PDDL	IX-6M*
RS422 & 485 - One Line	IS-SPHSD	IX-1H
RS422 & 485 - Two Lines	IS-DPHSD	IX-2H
RS422 & 485 - Three Lines*	IS-6PHSD	IX-6H*
4-20ma Current Loops - One Line	IS-CLSP	IX-1DC24-IG
4-20ma Current Loops - Two Lines	IS-CLDP	IX-2DC24-IG
Extention Lines - One Line	IS-SPXL	IX-1P
Extention Lines - Two Lines	IS-DPXL	IX-2P
Extention Lines - Three Lines*	IS-6PXL	IX-6P*
Telco Trunks - One Line	IS-SPTL	IX-1T
Telco Trunks - Two Lines	IS-DPTL	IX-2T
Telco Trunks - Three Lines*	IS-6PTL	IX-6T*
Ethernet		IX-2H
Power and Ethernet**		IX-2H2DC48/W**
Power and Ethernet**		IX-2H2DC56/W**

NOTE:

* All IX-6 products are non-weatherized and come in a slightly larger box than those shown in pictures.

** Need to verify what voltage level the customer requires.

The IX is a fully weatherized high-speed data and DC power protector that incorporates individual protection modules that are field replaceable, making the IX one of the most versatile and cost-effective protection systems on the market. The IX saves time in installation, maintenance, and provides a high level of protection for sites exposed to lightning and other transient voltages

FEATURES:

- Modular design built to fit your application
- Fully weatherized for outdoor use
- Interchangeable in field - reduces maintance
- Pole mount kit available
- Excellent primary protector
- Keeps "Hot Spots" hot
- Low turn-on voltages, ensure protection
- High surge capacity