

# Data/Signal Surge Protection

## CPX



CPX 16 Port, 10/100BT Fused  
1101-984

High density, modular, multi-protocol, coordinated Level I and Level II surge protection for OSP environments

### Features

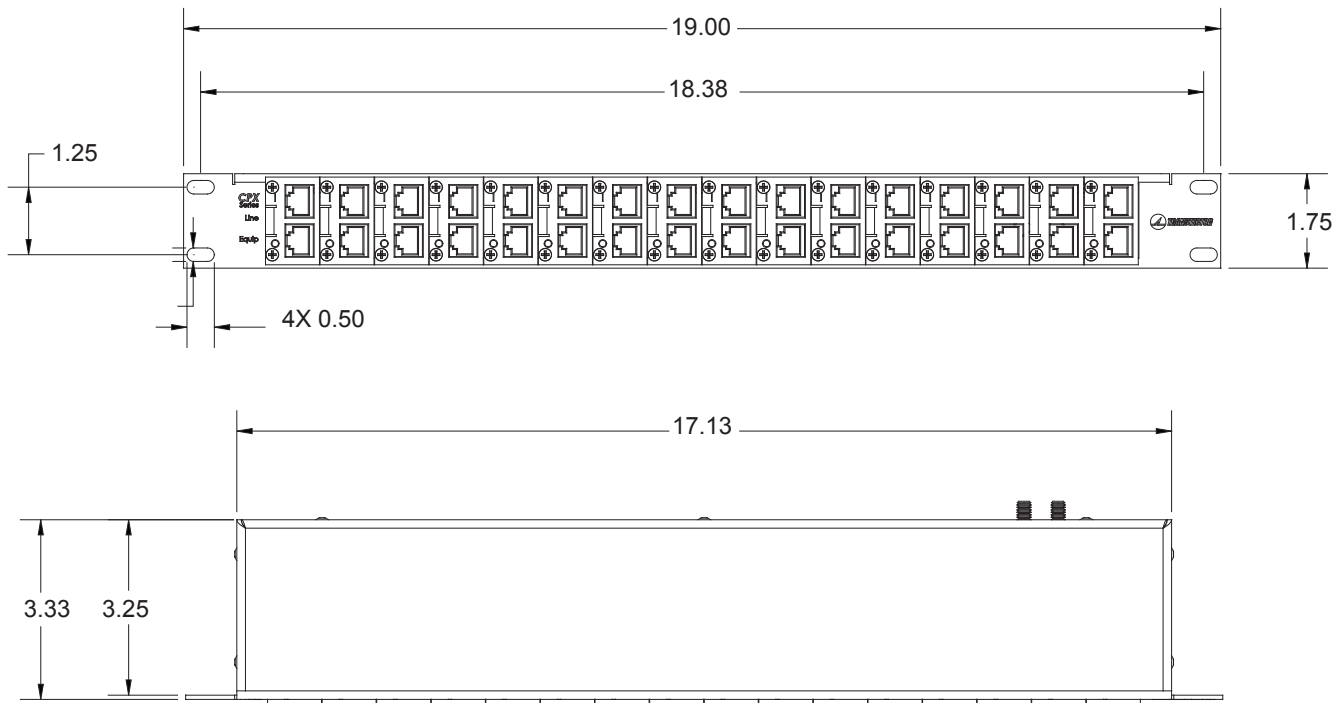
- Low capacitance (3 pF) high surge current capacity (20 kA)
- Compact, 1 RU modular chassis fits up to 16 ports
- Fused options satisfy GR-1089-CORE Issue 4 EIPP installation requirements
- Coordinated Level I & Level II lightning protection

- Front access, modular for multiprotocol installations: 10/100 Ethernet, GbE and T1/E1
- Dual lug ground studs
- Mounting hardware provided

- Custom configuration available (call for details)
- Unloaded chassis (1101-972) individual modules available (see specifications for part numbers)

### Options

- Eight and 16 port 10/100 Ethernet, GbE and T1/E1 fused and non fused options in preconfigured chassis available



| CPX Module         | 10/100BT Fused | 10/100BT Non-fused | T1/E1 Fused | T1/E1 Non-fused | GbE Fused | GbE Non-fused |
|--------------------|----------------|--------------------|-------------|-----------------|-----------|---------------|
| Module             | 1000-1268      | 1000-1268-NF       | 1000-1269   | 1000-1269-NF    | 1000-1270 | 1000-1270-NF  |
| 16 Port Chassis    | 1101-984       | 1101-974           | 1101-986    | 1101-976        | 1101-985  | 1101-975      |
| Eight Port Chassis | 1101-987       | 1101-977           | 1101-989    | 1101-979        | 1101-988  | 1101-978      |

## Performance

|                                       |   |   |                              |
|---------------------------------------|---|---|------------------------------|
| Data Rate                             | 100 Mb/s  | 1.544/2.144 Mb/s                                | 1000 Mb/s                    |
| Nominal Voltage                       | 5 Vdc   | 5 Vdc   | 3 Vdc                        |
| Maximum Continuous Operating Voltage  | 11 Vdc  | 11 Vdc  | 11 Vdc                       |
| Nominal Gas Tube Spark Over Voltage   | 75 Vpeak  | 75 Vpeak  | 75 Vpeak                     |
| Surge Current Capacity 5kV 8/20 $\mu$ | 20 kA   | 20 kA   | 20 kA                        |
| Pins Protected                        | (1,2) & (3,6) [(4,5) & (7,8) shorted to ground] | (1,2) & (4,5) [(3,6) & (7,8) shorted to ground] | (1,2), (3,6), (4,5), & (7,8) |
| Maximum Capacitance per Pin           | 3 pF  | 3 pF  | 3 pF                         |

## Mechanical

|                                  |  |
|----------------------------------|--|
| Dimensions - H x W x D (Chassis) | 1.75" x 19.00" x 3.30"<br>4.5cm x 48.3cm x 8.4cm |
| Weight (Chassis)                 | 3.0 lbs<br>1.4 kg                                |
| Grounding                        | Dual studs, 1/4-20<br>on .625 cc                 |

## Environmental

|                       |                    |
|-----------------------|--------------------|
| Humidity              | 99% non-condensing |
| Operating Temperature | -40° C to + 75° C  |

## Standards

|            |   |
|------------|---|
| Telecordia | GR-1089-CORE Issue 4: Telecommunications Port Level I & II Lightning Requirements, including Severe Climatic Conditions |
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