



Loop-IP6100 High Speed Ethernet Access

Description

The Loop-IP6100 High Speed Ethernet Interface provides connectivity from high speed 100 Base-T full duplex Ethernet to either DS3 or E3 networks.



Features

- 100 Base-T full duplex Ethernet in accordance with IEEE 802.3u via 1 RJ45 port
- Throughput data rate of 42/32 Mbps (DS3/E3)
- Succinct status and diagnostic features using LEDs and a built-in self-test algorithm
- Alarm Relay
- Supports VLAN transparency (no VLAN processing)
- Supports MPLS (Multi Protocol Label Switching) transparency
- Supports ISL (ISL inter-link switching) transparency
- Support Auto Negotiation
- Support IPX transparency
- Small size (HxWxD: 44.5 x 190.5 x 165mm/1.75 x 7.5 x 6.5in)
- Interfaces to a standard DS3/E3



IP6100 Front Panel without Alarm Relay



IP6100 Front Panel with Alarm Relay

**CERTIFIED
ISO-9001**

Ordering Information

To specify options, choose from list below:

Note: RoHS compliant units are identified by the letter **G** appearing immediately at the end of the ordering code.

Model (non RoHS compliant)	Model (RoHS compliant)	Description
Loop-IP6100-DS3	Loop-IP6100-DS3- G	DS3 Ethernet Interface Unit
Loop-IP6100-E3	Loop-IP6100-E3- G	E3 Ethernet Interface Unit
Loop-IP6100-DS3R	Loop-IP6100-DS3R- G	DS3 Ethernet Interface Unit with Alarm Relay
Loop-IP6100-E3R	Loop-IP6100-E3R- G	E3 Ethernet Interface Unit with Alarm Relay
Accessories		
User's Manual (All User's Manuals are RoHS compliant)		
Loop-IP6100-UM	Loop-IP6100-UM	User's Manual (paper hard copy-optional). A CD version of the manual is already included as standard equipment.
Power Adaptor		
Loop-ACC-APA-007	Loop-ACC-APA-007- G	AC converter (100-240Vac), USA Type
Loop-ACC-APE-007	Loop-ACC-APE-007- G	AC converter (100-240Vac), Europe Type
Loop-ACC-APU-007	Loop-ACC-APU-007- G	AC converter (100-240Vac), UK Type
Tray		
61.000015.B00	61.000015.B00- G	Tray (One tray for two IP6100 units)

code.

Loop-IP6100 High Speed Ethernet Interface Product Specifications

System Parameters

Ethernet Data Rate (Typical) 42/32 Mbps (DS3/E3)
 Supports VLAN transparency (no VLAN processing)
 Supports MPLS (Multi Protocol Label Switching) transparency (no MPLS processing)
 Supports ISL (ISL inter-link switching) transparency (no ISL processing)
 Supports IPX transparency (no IPX processing)

Data Interface

Full Duplex IEEE 802.3u
 100 Base-Tx
 Flow Control IEEE 802.3x*
 Supports Auto Negotiation (for 100M only)
 1 x RJ45 Port

High Speed Interface

E3: ITU-T G.703
 DS3: Bellcore TR-303
 B3ZS for DS3, HDB3 for E3
 BNC, 75 ohm

Indicators

Power On Status LED
 DS-3 Link Status LED
 Ethernet Traffic Status LED
 Ethernet Link Status LED

***Note: EIU performance is optimized when 802.3x is used.**

Physical/ Electrical

Dimensions 190.5 x 43.7 x 164.5 mm.(WxHxD)
 Input Voltage ±22 to 72 Vdc
 Polarity (DC) Positive or negative ground
 Power Consumption <5W
 Protection Circuit 3.15A Slow-Blow Fuse

Operating Environment

Altitude Max. 5000m/15, 000 ft.
 Ambient Temperature -10°C to +55°C
 Reliability Unit MTBF 15 Years

EMC
Safety
Operation
Storage
Transportation

FCC Part 15 Class A
UL 1950
ETS 300 019 Class 3.2
ETS 300 019 Class 1.2
ETS 300 019 Class 2.3

Compliance

For E3
For DS3

EMC (EN55022, EN55024), Safety EN60950
EMI Fcc15 class A, Safety UL1950

Application Illustration



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