



Kyanite C3111 Industrial Ethernet Converter



Kyanite C3111

TECHNICAL SPECIFICATIONS

- **Model:** C3111
- **Standards:** IEEE 802.3u 100Base-FX/TX, 802.3 10Base-T, 802.3x
- **Processing:** Store and Forward switching architecture
- **Link Lose Forwarding:**
If Tx port link breaks down, C3111 will force the fiber port to disconnect
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- **Connectors:** 1310nm Multi-Mode Duplex-SC and RJ-45 (auto MDI/MDI-X)
- **Data Transfer Rate:**
100Mbps for FX
10/100Mbps (auto-sense) for TP
- **Cable / Max Distance:**
50/125, 62.5/125µm Multi-Mode fiber, up to 2km
Category 5 or above UTP, up to 100m
- **DIP-Switch Settings:**

DIP SWITCH	SETTING	FUNCTION
1	OFF	Disable Port Alarm
	ON	Enable Port Alarm
2	OFF	Disable Link Lose Forwarding
	ON	Enable Link Lose Forwarding
3	OFF	100Base-FX Full-Duplex
	ON	100Base-FX Half-Duplex
4	OFF	Auto-negotiation
	ON	100Base-TX Full-Duplex

- **LEDs:**
Unit — Power, Power1, Power2, Fault
Fiber Port — Link/Activity, Full/Half Duplex
TP Port — 10/100, Link, Full Duplex
[Reverse Polarity Protection: Present
Overload Current Protection: Present]
- **Alarm:** Relay output for port break and power failure
- **Power Requirements:** 24V DC (12 to 48V DC) [Reverse Polarity Protection: Present]
- **Power Consumption:** 4.6W
- **Mechanical:**
Installation — DIN-Rail Kit, or wall mounting ears for 3-way installation
Casing — IP30 protection, aluminum case
Dimension — 135 x 54 x 105mm (H x W x D)
- **Environmental:**
Operating Temperature — -10° to 70° C (14° to 158° F)
Operating Humidity — 5% to 95% (non-condensing)
Storage Temperature — -40° to 85° C (-40° to 185° F)
- **Regulatory Approvals:** FCC Class A, CE Mark
- **MTBF:** 225,855 hours * MIL-HDBK-217F (Military Handbook) standard

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