



Extended Temperature PacketBands Technical Specification

Overview

The popular 4-port PacketBand-TDM range now comes available hardened for situations where high temperatures may be experienced; in outside BTS locations for example.

The standard units work reliably in an ambient temperature of up to 50°C, which covers most applications, but some situations require a higher range and the Extended Temperature (ET) units will function to at least 65°C ambient.



The ET versions have internal ICs with higher temperature support, a larger power supply to handle de-rating at higher temperatures (AC and DC versions are available) and are fitted with a temperature sensitive fan (sealed ball-bearings) to maintain an airflow across the PCB and PSU. They also come in a slightly larger metal box to allow for the above.

Available in all versions of the PacketBand-TDM-4 and retaining all of the same options and capabilities, the ET versions provide the same excellent clock recovery and stability but for sites where ambient temperatures surrounding the PacketBand exceed 50°C.

All specifications for the ET versions are as per the appropriate standard unit with the following exceptions:

Dimensions & Environment

W – 292; D – 200; H – 44mm
Weight – 1.2Kg/2.7lb
Optional 19" rack-mount kit; 1 unit per 1U
Operating Temperature -20°C to +65°C

Power (AC)

Max consumption 0.1Amps RMS @230VAC
MTBF >400,000hrs
Isolation Voltage 4KV input to output
1.5KV input to ground ETSI standard

Power (DC)

1. Nominal -48VDC
4mm terminal block
-33VDC to -75VDC
0.35A max
MTBF >550,000hrs
Isolation Voltage >1.6KV input to output
1.5KV input to ground ETSI standard

2. Nominal -24VDC
4mm terminal block
-9VDC to -36VDC
0.55A max
MTBF >550,000hrs
Isolation Voltage >1.6KV input to output
1.5KV input to ground ETSI standard

Fan

Operates only above 45°C
Fan life >50,000 operating hours (with filter)

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