



6520A

Telecom Distribution Module

KEY FEATURES

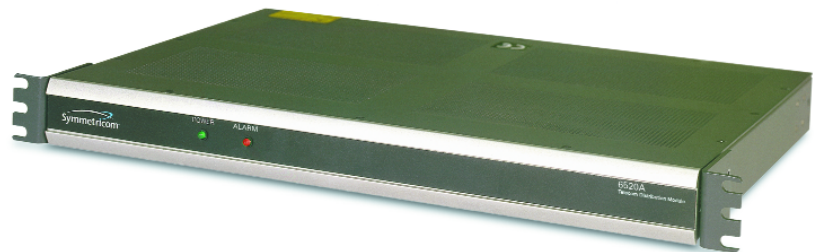
- E1/T1 Frequency Distribution
- Low Phase Noise
- High Channel Isolation
- Twelve Channel Output Distribution
- Daisy Chain for Up to 48 Outputs

Symmetricom's 6520A Telecom Distribution Module is a twelve channel distribution amplifier packaged in a 1U rack mount chassis. It is comprised of twelve, low phase noise amplifiers that maintain high channel isolation (>60dB). Up to four units can be daisy chained together to give up to 48 outputs with virtually no signal degradation.

The 6520A standard configuration takes a single telecom clock signal, either T1 or E1, and provides twelve buffered T1 or E1 outputs. Each output and input has an alarm indicator that warns of either a loss of signal or a signal of insufficient amplitude.

The 6520A is ideal for manufacturers who need to distribute high quality telecom reference signals to multiple locations.

The 6520A is also available in custom configurations. Please contact Symmetricom with any specific requirements.



6520A Telecom Distribution Module

6520A Specifications

ELECTRICAL SPECIFICATIONS

- Output (12)

Frequency:	T1 (1.544 MHz) or E1 (2.048 MHz)
Level:	per G703/9 or G703/13
Isolation:	>60db
Connectors:	9-Pin, D-Male Optional: RJ45

- Additive SSB phase noise

(1 Hz Bandwidth)	Offset from carrier
1 Hz	-120dBc
10 Hz	-135dBc
100 Hz	-145dBc
1000 Hz	-155dBc
10000 Hz	-160dBc

- Input

Frequency:	1.544 MHz or 2.048 MHz per G703/9 or G703/13
Input impedance:	110 Ω (T1) or 120 Ω (E1)
Connectors:*	(2) 9-Pin D-Female Optional: (2) RJ45 *[1 Input, 2nd to daisy chain off]
Ground:	#8 Stud post
Switch:	Two position slide for HI Z and 50 Ω input impedance terminus

- Alarm Output

Summary alarm indicates failure of any output signal.	
Each output & main:	Red LED
Non-alarm condition:	Relay energized (fail safe) C Form contacts
Connector:	9-Pin D-Male Optional: RJ45

ENVIRONMENTAL & PHYSICAL SPECIFICATIONS

- Temperature: 0° to 50° C
- Relative humidity: 0 to 95% (non-condensing)
- Power requirements

AC Input ($\pm 15\%$):	120 or 240 V AC, <10W
DC Input (optional):	22 to 70 V DC, 10W
- Dimensions

Height:	1U (~1.75") (4.44 cm)
Width:	19" (48.26 cm)
Depth:	12" (30.48 cm)
- Weight: <5 lbs. (2.25 Kg)

OPTIONS

- RJ45 Connectors
- DC input

Part No.

RJ45
DC



Rear View



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