

## EchoSat SPG 7000 Series Hardware Specifications

- ARM7 50MHz CPU
- 1MB to 8Mbytes in-circuit boot flash and program memory
- 8 to 32 Mbytes SDRAM
- 10/100 Mbps Ethernet connection over 10/100 Base-TX physical lines
- Up to two asynchronous RS232 serial ports with modem control and surge suppression
- Asynchronous port data rates of up to 230.4 Kbps
- DB-25 Female physical connectors
- Serial ports software configurable for DCE or DTE
- Up to four phone lines (labeled "POS Terminal") with internal modems. Support for phone and modem standards:
  - Bell 212A
  - ITU-T V.22
  - ITU-T V.22bis
  - V.22 FastConnect (Hypercom)
- Optional dialup modem port - all of the standards supported by Terminal ports plus:
  - ITU-T V.14
  - ITU-T V.32
  - ITU-T V.32bis
  - ITU-T V.42
  - ITU-T V.42bis
- External 110 or 240 VAC power supply provides +5V DC regulated to IPG
- Status LEDs for each port

## Environmental Specifications

- Operating temperature range: 0 to 50°C
- Storage temperature range: -10 to 70°C
- Humidity range: 10% to 90% noncondensing

## Product Dimensions

The SPG models measure:

6 inches x 5.65 inches x 2.0 inches (152 mm x 144 mm x 51 mm)

## Ethernet cabling specifications

This section describes guidelines for using 10/100 Base-TX twisted-pair cabling:

- Recommended cable is category 5 (CAT5 or CAT5E) unshielded solid copper twisted pair
- Ethernet cable pairs **must** be properly twisted: pins 1 and 2 must be a twisted pair, and pins 3 and 6 must be a twisted pair
- Maximum distance of a segment – from concentrator to node – is 328 feet
- Maximum of 5 segments between any two nodes



## Available SPG Model Numbers

<u>Model</u>	<u>Optional Modem</u>	<u>Number of Terminal Lines</u>	<u>Number of Serial Ports</u>
SPG - 7501	Yes	0	1
SPG - 7502	Yes	0	2
SPG - 7511	Yes	1	1
SPG - 7520	Yes	2	0
SPG - 7522	Yes	2	2
SPG - 7540	Yes	4	0
SPG - 7542	Yes	4	2