



# S.G. INTERNATIONAL GROUP H.K. LIMITED

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### ➤ Interface converter



### SG-3000 Voice Data Integration Device

SG-3000 voice data integration device provides four 10M/100M self-adaptive switched Ethernet interfaces, eight telephones with negative polarity call meters and call display functions and a RS232 data channel at the same time via a E1 transmission channel. When RS232 interface is not occupied or telephone channel is available, the free time slots can be used by Ethernet channel.

- Telephone Connection Group Network: Demand O interface be connected with voice switch, S interface be connected with user's telephone.
- Ethernet Connection Group Network: Four switched Ethernets have 10M/100M self- adaptive and through crossover self-adaptive functionalities; users can also setup working mode of Ethernet interface via switch.

#### Technical Specification

##### ◆ E1 Interface

Code rate: 2.048Mb/s ± 50ppm

Code pattern: HDB3

Nominal impedance: 75 Ω (unbalanced) 120 Ω (balanced) adaptive

Interface character: G.703, G.704

Connector: Q9 (75 Ω), RJ45(120 Ω)

Frame structure: PCM31

##### ◆ Ethernet Interface

User type: 10M/100M self-adaptive, full/semi-duplex optional, support 1600 long-package and ISL protocol

Ethernet interface supports functionalities of through crossover self-adaptive to void redoing

Supports up to four Ethernet interfaces, saving one Ethernet switch for users

##### ◆ Telephone Interface

Users can have up to eight telephones on hand at the same time with negative polarity call meters and call display functions

##### ◆ RS232 Interface

Standard RS232 asynchronous data transmission interface

##### ◆ Environment

Power Input: AC/DC optional

Power consumption: ≤ 5W

Operating temperature: -5°C ~ 50°C

Storage temperature: -40°C ~ +70°C

Humidity: 10% ~ 90% non-condensing

No corrosive and solvent Gas, no fluty dust and intense magnetic-field interference

##### ◆ Mechanical Parameter

Standalone (19" /2) :

Dimension: 200mm(width) × 43.5mm(height) × 150mm(depth)

Weight: 0.8 kg

Rack type: EIA 19"

Rack Mount (19" ) :

Dimension: 483mm(width) × 226mm(height) × 225mm(depth)

Weight: 8 kg (full deploy)

Rack Type: EIA 19"

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