



## Model7211A Series

### Desktop Mounting

#### 1 100M Ethernet copper port to 1 E1 protocol converter

- Support data conversion between 1 100M copper port and 1 E1 port
- It supports unframed mode(2048k) configuration and has flexible applications. It can manage the status of remote device, and network management data does not take up user's timeslot.
- The Ethernet interface supports jumbo frames up to 2036 bytes
- Support 10M/100M rate self-adaption, full/half duplex self-adaption, straight-through/crossed line self-adaption
- E1 interface supports 2 impedance self-adaptions:75Ω unbalance and 120Ω balance
- Support 3 loopback functions: E1 interface Self-loop (ANA), LAN interface Self-loop (DIG), Command the remote LAN interface Self-loop (REM)
- Support 3 power supplies: 220VAC, -48VDC or 110~220VAC/DC

## Introduction

MODEL7211A series are cost-effective Ethernet E1 protocol converters which can achieve transmitting Ethernet data via E1 line. This series have 3 products to choose from and provide 1 100M Ethernet copper port and 1 E1 interface, support 220VAC, -48VDC and 110~220VAC/DC power supplies. They adopt desktop mounting to meet the requirements of different application scenes.

DIP switch can achieve setting Ethernet port, selecting the clock and testing loopback, etc. The hardware adopts fanless, low power consumption and wide temperature design. It can be widely used in the field where has Ethernet extension or Ethernet aggregation requirements in WAN or LAN, and achieve the interconnection and access of Ethernet devices to solve the problem of Ethernet data extension effectively.

## Specification

|               |  |
|---------------|--|
| E1 Interface  | Interface Protocol: comply with ITU-TG.703 recommendations<br>Jitter tolerance: comply with ITU-TG.742 and ITU-TG.823 recommendations<br>Interface quantity: 1 E1 port<br>Line rate: 2048kb/s±50ppm<br>Interface Code: HDB3<br>Frame Format: unframed<br>Interface connection: BNC or RJ45, BNC is compatible with 75-2/3 coaxial cable<br>Interface impedance: 75Ω unbalance (BNC) and 120Ω balance (RJ45)<br>Allowed Ingress Attenuation: 0~6dBm |
| Ethernet Port | Standard: comply with IEEE 802.3, IEEE802.1Q(VLAN)<br>Interface rate: 10/100Mbps self-adaption<br>Duplex mode: Full/Half Duplex Mode Self-adaption<br>MAC address: 4096<br>Interface connection: RJ45  |
| Indicator     | Power supply indicator, Ethernet connection/rate indicator, E1 alarm/test/loopback indicator   |
| Power Supply  | 220VAC, -48VDC or 110~220VAC/DC (optional) <ul style="list-style-type: none"><li>● 220VAC, adopting AC power outlet</li><li>● -48VDC, adopting 3-pin terminal blocks</li><li>● 110~220VAC/DC, adopting AC power outlet</li></ul>   |

|                         |  |
|-------------------------|--|
| Power Consumption       | ≤5W  |
| Working Environment     | Operating temperature: -10~60°C<br>Storage temperature: -40~85°C<br>Relative humidity: 5%~95%(no condensation) |
| Physical Characteristic | Installation: desktop mounting<br>Dimension (W x H x D): 216mm×31mm×140mm<br>Weight: 1.3kg                     |
| MTBF                    | >100,000 hours   |



## Ordering Information

| Available Models           | E1(BNC or RJ45) | 100M Copper Port | Power Supply  |
|----------------------------|-----------------|------------------|---------------|
| Model7211A (220VAC)        | 1               | 1                | 220VAC        |
| Model7211A (-48VDC)        | 1               | 1                | -48VDC        |
| Model7211A (110~220VAC/DC) | 1               | 1                | 110~220VAC/DC |



Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China

TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485

E-mail: [ics@3onedata.com](mailto:ics@3onedata.com)

Website: [www.3onedata.com](http://www.3onedata.com)

◀ Please scan our QR code for more details

\*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.