



### MAIN FEATURES

|                        |                                 |
|------------------------|---------------------------------|
| <b>P/N</b>             | SIS87-16GP2B-VX                 |
| <b>Fixed port</b>      | 16*10/100/1000 Base-T           |
| <b>Management</b>      | Yes                             |
| <b>PoE Support</b>     | Yes                             |
| <b>Input Voltage</b>   | DC 48-58V                       |
| <b>ESD</b>             | IEC 61000-4-2 Level 4 (8K/15K)  |
| <b>Thermal methods</b> | Fanless design, natural cooling |
| <b>MTBF</b>            | 100,000 hours                   |
| <b>Certificates</b>    | CCC/CE/FCC/RoHS                 |

### SPECIFICATION

|   |   |
|---|---|
| <b>Provider Mode Ports</b>                  |   |
| Business interface (Fixed port)             | 16*10/100/1000 Base-T   |
| Management Port                             | Support console   |
| Power interface                             | Phoenix terminal, dual power supply redundancy                      |
| LED lights (LED Indicators)                 | PWR, Link/ACT LED   |
| <b>Cable type&amp;Transmission distance</b> |   |
| Twisted-pair                                | 0-100m (CAT5e,CAT6)   |
| Monomode optical fiber                      | -   |
| Multimode optical fiber                     | -   |
| <b>Network Topology</b>                     |   |
| Ring topology                               | Support   |
| Star topology                               | Support   |
| Bus topology                                | Support   |
| Tree Topology                               | Support   |
| Hybrid topology                             | Support   |
| <b>Electrical Specifications</b>            |   |
| Input voltage                               | DC 48-58V   |
| Total Power consumption                     | <386W   |
| <b>PoE Support</b>                          |   |
| PoE port                                    | 1-16  |
| PoE Protocol                                | 802.3af, 802.3at, 802.3bt (1-2 single interface Supports up to 90W) |
| PoE pin assignment                          | 1,2,3,6; bt pins 1-8  |
| PoE management                              | UnSupport   |
| <b>Layer 2 Switching</b>                    |   |
| Switching capacity                          | 68G   |

|                                  |   |
|----------------------------------|---|
| Packet forwarding rate           | 50.59 Mpps  |
| MAC address table                | 16K   |
| VLAN Support                     | Support 4K  |
| Buffer                           | 12M   |
| Forwarding delay                 | <10 μs  |
| MDX/MIDX                         | Support   |
| Flow control                     | Support   |
| Jumbo Frame                      | Support 10 Kbytes   |
| Spanning Tree Protocol           | Support STP/RSTP/MSTP   |
| Ring Protocol                    | Support ERPS  |
| Link Aggregation                 | Support 12 groups   |
| Multicast                        | Support IGMP Snooping   |
| Port Mirroring                   | Support   |
| Storm Control                    | Support   |
| Interface Counters               | Support   |
| QINQ                             | Support   |
| 802.1X                           | Support   |
| Radius/Mac certification         | Support   |
| Port Isolation                   | Support   |
| Rmon                             | Support   |
| NTP client                       | Support   |
| DHCP client                      | Support   |
| DHCP snooping                    | Support   |
| Ping/tracert detection           | Support   |
| Dying gasp                       | Support   |
| Optical module DDM               | 0   |
| <b>Layer 3 Router</b>            |   |
| Static routing                   | Support 512 static routes   |
| <b>Convergence</b>               |   |
| Access Control List (ACL)        | Support ACL 500; Support IP standard ACL; Support MAC extended ACL; Support IP extended ACL   |
| Quality of Service (QoS)         | Support QoS re-marking and priority mapping; Support SP, WRR queue scheduling; Supports entrance speed limit and exit speed limit; Support flow-based QoS |
| <b>Management</b>                |   |
| Command line (CLI)               | Support   |
| Management serial port (Console) | Support   |
| Telnet /SSH                      | Support   |
| WEB management                   | Support   |
| Management IP                    | Support IPV4/IPV6   |
| SNMP                             | Support SNMPv1/v2c/v3   |
| User Management                  | Support   |
| System Log                       | Support   |
| File upgrade                     | Support   |
| Firmware upgrade                 | Support   |

| Environmental conditions (Environment) |   |
|--|---|
| Operating temperature                  | -40°C ~ +75°C The device is tested for 8 hours at temperatures in 85°C  |
| Storage temperature                    | -40°C ~ +85°C   |
| Relative humidity                      | 5%~95% non-condensing   |
| Thermal methods                        | Fanless design, natural cooling   |
| MTBF                                   | 100,000 hours   |
| Mechanical Dimensions                  |   |
| Product size                           | 108*104*143 mm  |
| Installation Method                    | Rail installation, wall-mounted installation  |
| Weight                                 | 1.3 Kg  |
| Protection (EMC & INGRESS PROTECTION)  |   |
| IP Level                               | IP50  |
| Surge protection of Power              | IEC 61000-4-5 Level X (6KV/6KV) (8/20us)  |
| Surge protection of Ethernet port      | IEC 61000-4-5 Level X (6KV/4KV) (10/700us)  |
| RS                                     | IEC 61000-4-3 Level 3 (10V/m)   |
| EFI                                    | IEC 61000-4-4 Level 3 (1V/2V)   |
| CS                                     | IEC 61000-4-6 Level 3 (10V/m)   |
| PFMF                                   | IEC 61000-4-8 Level4 (30A/m)  |
| DIP                                    | IEC 61000-4-11 Level3 (10V)   |
| ESD                                    | IEC 61000-4-2 Level 4 (8K/15K)  |
| Free fall                              | 0.5m  |
| <b>Authentication</b>                  | Inspection reports and network access licenses from the Ministry of Public Security and the Ministry of Industry and Information Technology |
| Certificates                           | CCC/CE/FCC/RoHS   |
| Accessories                            |   |
| Accessories                            | Equipment, terminals, certificate, instructions, Adapter (optional)   |

## SIZE AND APPEARANCE

