

## PoE Management Switch FF-L281Q

FF-L281Q 24x10/100/1000Base-T+4x1000M Combo+1xConsole port

- Input Voltage AC 100-240V, 50/60Hz
- Support 802.3af/at 30W PoE, power consumption 300W
- Support protocol: IEEE 802.3,IEEE 802.3u,IEEE 802.3x,IEEE 802.3z,IEEE 802.3ab
- Certification CCC/CE/FCC/RoHS
- ESD 8KV-15KV

|             |           |
|-------------|-----------|
| Port Number | 24 Port   |
| Port speed  | 1000mbp/s |
| PoE         | PoE       |
| PoE power   | 30 W      |
| Type        | Managed   |



## Detailed

|                                       |  |
|---------------------------------------|--|
| <b>Provider Mode Ports</b>            |  |
| Port type and quantity                | 4 x 1000 Combo, 24 x 10/100/1000 Base-TX   |
| Management Port                       | Support console  |
| Power Supply                          | 100-240V/AC  |
| LED Indicators                        | PWR□SYS□Link/ACT LED   |
| <b>Network Size - length of cable</b> |  |
| Twisted pair (TP)                     | NON-PoE: 0-100 m□CAT5e,CAT6□<br>PoE(1000Mbps□): 0-100 m□CAT5e,CAT6□<br>PoE(10Mbps□): 0-250 m□CAT5e,CAT6□ |
| Single mode Fiber (SMF)               | 20/40/60/80/100 km   |
| Multimode Fober (MMF)                 | 550 m  |
| <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                         | AC 100-240V 50/60Hz  |
| Power consumption                     | □300W  |

|                                    |   |
|------------------------------------|---|
| Main board power                   | □20W  |
| <b>PoE Support</b>                 |   |
| PoE port                           | 1-24  |
| PoE Protocol                       | 802.3af□802.3at   |
| Pin Assignment                     | 1,2+;3,6-   |
| PoE Management                     | Support   |
| <b>Layer 2 Switching</b>           |   |
| Switching capacity                 | 56Gbps  |
| Packet forwarding rate             | 41.616Mpps  |
| MAC address table                  | 8K  |
| Buffer                             | 4.1M  |
| Forwarding delay                   | <10us   |
| MDX/MIDX                           | Support   |
| VLAN                               | 256   |
| GVRP VLAN                          | Support   |
| Protocol VLAN                      | Support   |
| Voice VLAN                         | Support   |
| Surveillance VLAN                  | Support   |
| MAC VLAN                           | Support   |
| Ether channel/ 802 .3ad            | Support   |
| LACP                               | Support   |
| Interface Speed                    | Support   |
| Duplex Mode                        | Support   |
| Flow Control                       | Support   |
| Jumbo frame                        | Support   |
| DHCP Client                        | Support   |
| SNTP Client                        | Support   |
| Port Statistics                    | Support   |
| Protected Ports                    | Support   |
| EEE                                | Support   |
| Ethernet Ring Protection Switching | Support   |
| LLDP                               | Support   |
| LLDP 802.1 TLV                     | Support   |
| MSTP / RSTP / STP                  | Support   |
| STP BPDU Filter                    | Support   |
| STP BPDU guard                     | Support   |
| STP Port Fast                      | Support   |
| IGMP Snooping                      | Support   |
| MLD Snooping                       | Support   |
| MVR                                | Support   |
| DHCP Server                        | Support   |
| <b>Layer 3 Route</b>               |   |
| IPV4 management                    | Support   |
| IPV6 management                    | Support   |
| Static Routes IPv4                 | 32  |
| Static Routes IPv6                 | 32  |
| ARP                                | Support   |
| Loopback Interface                 | Support   |
| DHCP Server                        | Support   |
| DNS Server                         | Support   |
| DNS Client                         | Support   |
| <b>Convergence</b>                 |   |
| ACL                                | Support MAC Standard/Extended ACL<br>Support IPV4 Standard/Extended ACL<br>Support IPV6 Standard/Extended ACL   |
| QoS                                | Support QoS Remarking<br>Support Port Trust<br>Support Port bandwidth<br>Support egress queuing bandwidth<br>Support SP□WRR<br>Support COS□DSCP□IP Priority |
| <b>Management</b>                  |   |
| User Management                    | Support   |
| System Log                         | Support   |
| Upgrade Firmware                   | Support   |
| Configuration File Download/Upload | Support   |

|                                     |   |
|-------------------------------------|---|
| SNMP                                | Support SNMP V1/V2/V3                   |
| WEB                                 | Support                                 |
| Console                             | Support                                 |
| CLI                                 | Support                                 |
| Telnet/SSH                          | Support                                 |
| RMON                                | Support                                 |
| <b>Security</b>                     |   |
| management channel configuration    | Support                                 |
| AAA                                 | Support                                 |
| 802.1X                              | Support                                 |
| MAC-Based                           | Support                                 |
| WEB-Based                           | Support                                 |
| DoS                                 | Support                                 |
| ARP                                 | Support                                 |
| DHCP Snooping                       | Support                                 |
| IP Source Guard                     | Support                                 |
| Port Security                       | Support                                 |
| Protected Ports                     | Support                                 |
| Storm control                       | Support                                 |
| <b>Environment</b>                  |   |
| Operate temperature                 | -10°C to 50°C                           |
| Storage temperature                 | -40°C to 70°C                           |
| Relative humidity                   | 10% to 90% RH                           |
| Heat Dissipation Method             | Fan                                     |
| MTBF                                | 100,000H                                |
| <b>Mechanical Dimensions</b>        |   |
| Dimensions (WxHxD):                 | 440*284*44mm                            |
| Mounting                            | Standard Rack Mounted                   |
| Weight                              | 3.4 kg                                  |
| <b>EMC &amp; INGRESS PROTECTION</b> |   |
| Surge protection for power          | Common mode 6KV; differential mode: 4KV |
| Surge protection for Ethernet port  | Common mode 6KV; differential mode: 4KV |
| ESD                                 | Air 8K, contact 15K                     |