

## FSW-848P-6SFP+

Switch/router



Questo switch, grazie alla sua flessibilità e scalabilità, è indicato per l'allestimento in armadi secondari di zona o di piano.

Grazie al supporto del protocollo multicast IGMP Snooping consente di gestire traffico IPTV.

Le 48 porte GE PoE consentono di alimentare dispositivi in campo come telecamere di videosorveglianza IP e access point.

Le 6 porte SFP+ a 10GE permettono il collegamento stack o uplink con altri switch della stessa serie.



### Caratteristiche tecniche

- Layer 2+
- 48 porte 10/100/1000 GE
- 6 porte di uplink 10GE/1GE SFP+
- Backplane 216 Gbps
- Forwarding rate 162 Mpps
- QoS & QinQ
- Fino a 4096 VLAN
- Multicast/ IGMP Snooping
- Power budget: 370W AC

| FSW-848P-6SFP+   |              |                                                           |
|------------------|--------------|-----------------------------------------------------------|
| Codice           |              | 287768                                                    |
| Ingresso LAN     |              | 48 x 10/100/1000M PoE auto-negoziabile, 6 x 10GE/1GE SFP+ |
| Console RJ45     | RJ45         | 1                                                         |
| Backplane        | Gbps         | 216                                                       |
| Forwarding rate  | Mpps/64bytes | 162                                                       |
| POE power budget | W            | 370                                                       |
| Ventole          |              | 2                                                         |
| Noise@25°C       | dBa          | 45                                                        |
| Forwarding mode  |              | Store-forward                                             |
| Memoria flash    | MB           | 16                                                        |
| Memoria DRAM     | MB           | 512                                                       |
| MAC              |              | 32k                                                       |
| Buffer size      | MB           | 1.5                                                       |
| Interfacce VLAN  |              | 64                                                        |
| Routing table    | RIB          | 512                                                       |
| MTBF             | h            | >200000                                                   |
| Sezione POE      |              |                                                           |
| POE power budget | W            | 370                                                       |

| Funzioni                   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Management                 |       | Console, Telnet, SSH v1/2, HTTP, HTTPS, SNMP v1/v2/v3, RMON, TFTP, FTP, SFTP, NTP, ZTP, SPAN, RSPAN, Dying gasp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Applicazioni               |       | <ul style="list-style-type: none"> <li>Spanning Tree: 802.1D (STP), 802.1W (RSTP) and 802.1S (MSTP), BPDU guard, root guard and loopback guard</li> <li>IPv4: Static route, RIP, OSP, IPv4/v6 dual stack</li> <li>Routing table: 512</li> <li>IPv6: ICMPv6, DHCPv6, ACLv6 and Ipv6, IPv6 neighbor discovery, Path MTU discovery Telnet, MLD V1, MLD snooping, IPv6 Static Routing, RIPng, SPFv3, Manual tunnel, ISATAP tunnel, 6 to 4 tunnel</li> <li>Reliability: Static/LACP link aggregation, Interface backup, EAPS and ERPS, ISSU uninterrupted system upgrade, BVSS, up to 16-units per stack, VRRP, UDLD</li> <li>Jumbo frame: 9k</li> <li>Total output BTU (1000BTU/H=293W): 1535.84 AC, 2730.38 DC</li> </ul> |
| VLAN                       |       | 4096 Active VLAN, QinQ & Selective QinQ, GVRP, Voice-VLAN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MULTICAST                  |       | Supporta IGMP v1/v2/v3, IGMP Snooping, IGMP Fast Leave, MVR, IGMP filter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| QoS                        |       | CAR, HQoS, MAC/IP/TCP/UDP/VLAN/ COS/ DSCP/ TOS based QoS, 802.1P/ DSCP priority relabeling, SP, WRR, and "SP+WRR", Tail-Drop, WRED, flow monitoring and traffic shaping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| DHCP                       |       | <ul style="list-style-type: none"> <li>DHCP server/relay/client</li> <li>DHCP snooping/option82</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Security                   |       | <ul style="list-style-type: none"> <li>Port isolation, Port security and "IP+MAC+port" binding, MAC sticky DAI &amp; IP source guard, PPPoE+</li> <li>IEEE 802.1x, AAA, Radius and BDTacacs+</li> <li>L2/L3/L4 ACL flow identification and filtration Anti-attack from DDoS, TCP's SYN Flood, UDP Flood, etc.</li> <li>Broadcast/multicast/unknown unicast storm-control</li> <li>MD5, SHA-256, RSA-1024, AES256</li> </ul>                                                                                                                                                                                                                                                                                            |
| Caratteristiche principali |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tensione alimentazione     | Vdc/A | 100-240 / 50-60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Consumo                    | W     | <48 (no PoE), <450 AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Temperatura lavoro         | °C    | Da 0 a +50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Umidità relativa           | %     | da 10 a 90 (senza condensa)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Dimensioni e imballo       |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pezzi                      |       | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Dimensioni imballo         | mm    | 576 x 448 x 94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Dimensioni prodotto        | mm    | 440 x 300 x 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Peso lordo                 | kg    | 6.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Peso                       | kg    | 4.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |