

Technisches Datenblatt

Ethernet · Unmanaged PoE+ Switches, 8-ports, Ethernet 10/100/1000 Mbit/s, 2 100/1000 Mbit/s slots for SFP-transceiver

Unmanaged Gigabit Ethernet PoE+ Switch mit 8-Port 10/100/1000T

802.3at PoE+ und zwei 100/1000Base-X SFP Glasfaserschnittstellen für automatische Erkennung des SFP-Tranceivertyps

Redundante Versorgung, erweiterter Temperaturbereich, Jumbo Frames bis 9kB



Identifikation

Typ ET-SWGU8FP
Art.-Nr. [772025](#)

Produktversion

Datenblatt Version 00

Beschreibung

Beschreibung Unmanaged Gigabit Ethernet PoE+ Switch mit 8-Port 10/100/1000T für 802.3at PoE+ und zwei 100/1000Base-X Glasfaserschnittstellen für automatische Erkennung des SFP-Tranceivertyps.

Kommunikation

Standard	IEEE 802.3, 802.3u, 802.3x, 802.3af, 802.3ab IEEE 802.3az Gigabit SX/LX IEEE 802.3az Energy Efficient Ethernet (EEE) IEEE 802.3at Power over Ethernet Plus PSE IEEE 802.1p Class of Service
LAN	10/100/1000 Base-T RJ45 Auto-MDI/MDI-X, Auto Negotiation
Leitungslänge (Segment)	max. 100 m
Übertragungsrate	max. 1000 Mbit/s
Anschlusstechnik (Daten)	8 x RJ45, 2 x SFP (mini-GBIC)
Durchsatz (Paket pro Sek.)	14,8 Mpps @ 64 bytes

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Statusanzeige Kommunikation	3 x LED für System und Power: Grün: DC Power 1 Grün: DC Power 2 Rot: Alarm bei Stromausfall
	8 x LED für PoE Kupfer Port (Port 1-8) Grün: LNK/ACT (10/100/1000 Mbps) Bernstein: PoE-in-Benutzung
	2x LED für 100/1000X Glasfaseranschluss (Port 9-Port 10): Grün: LNK/ACT (100/1000Mbps) Bernstein: 1000 Mbps
	4 x LED für die Nutzung des Glasfaseranschlusses Bernstein: 60 W, 120 W, 180 W und 240 W
Switch Architektur	Store-and-Forward
Jumbo Frame	9 Kbytes
Gemeinsamer Datenpuffer	4 Mbit/s
Source Address Table	8k entries
FLOW Source	Back pressure for half-duplex EEE 802.3x pause frame for full-duplex
Switch Fabric	20 Gbps

Sicherheit

ESD (Ethernet)	DC \pm 6 KV
Surge (EFT for power)	DC \pm 6 KV
Verpolungsschutz	ja

Überwachung

Überwachung Versorgungsspannung	Relais, 1 Schließer
Schaltstrom	1 A @ DC 24 V
Schaltspannung	AC 120 V / DC 28 V
Isolationsspannung	DC 500 V

Allgemeine Daten

Nennstrom	240 W, DC: max. 7 A
Arbeitsspannungsbereich	DC 12–54 V, redundant
Leistungsaufnahme	240 W Volllast Ethernet + PoE+
Ausgangsleistung	30 W @ 54 V (per PoE+ port)
Schutzart	IP30
Relative Luftfeuchte (Betrieb)	5 % – 95 % (keine Betauung)
Relative Luftfeuchte (Lagerung)	5 % – 95 % (keine Betauung)
Gehäusematerial	Aluminium
Montage	Hutschienenmontage Wandmontage
Einbaulage	beliebig
Anschlussart	6-polige steckbare Schraubklemme für Stromversorgung und Fehlerdiagnose AWG 20 – AWG 12
MTBF	>100000 h
Maße (B×H×T)	77,0 mm \times 152,0 mm \times 107,3 mm
Gewicht/Stück	1,133 kg

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VE (Stück)

1

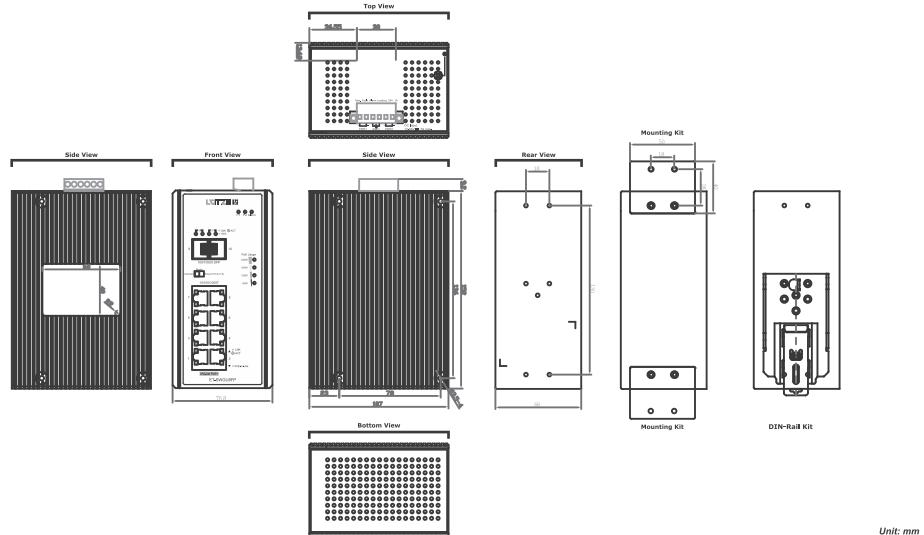
Allgemeine Umgebungsbedingungen

Arbeitstemperaturbereich -40 °C ... +75 °C
Lagertemperaturbereich -40 °C ... +85 °C

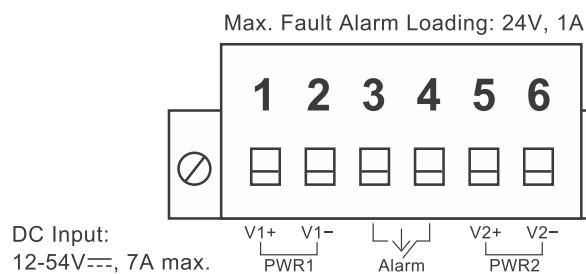
Zertifizierungen/Normen

Zertifizierungen	CE UKCA FCC Part 15 Class A
Normen	EN 55024 EN 55032 EN 55035 IEC 60068-2-27 IEC 60068-2-32 IEC 60068-2-6

Maßzeichnung



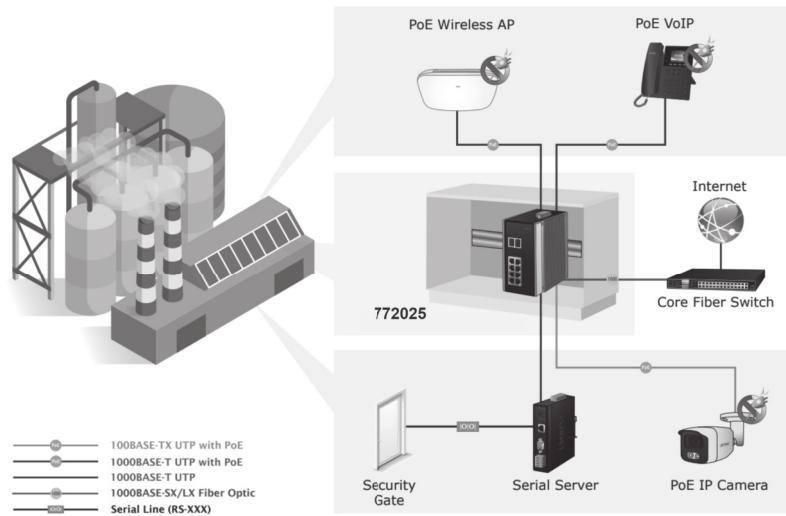
Anschlussbild



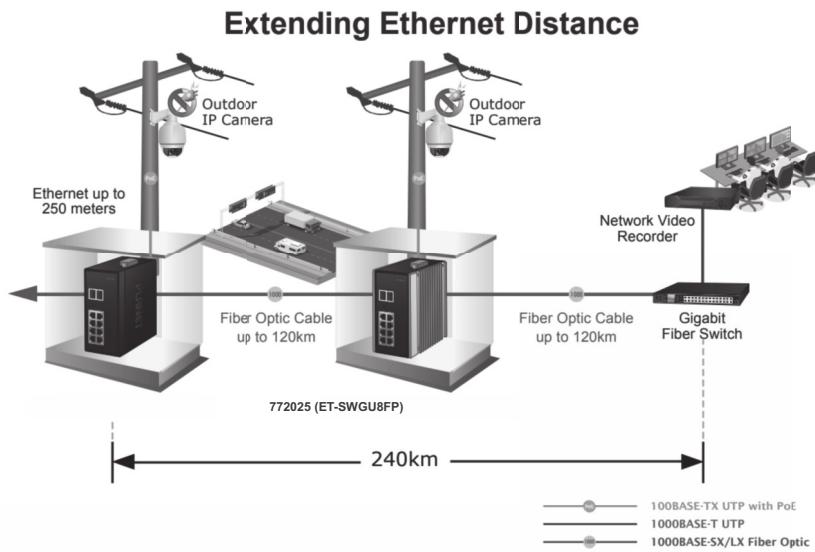
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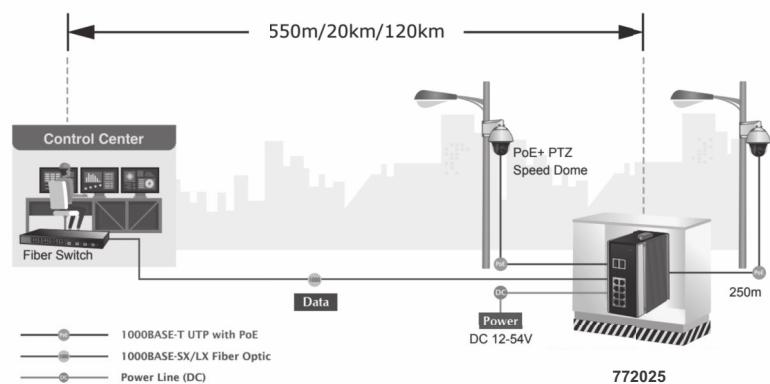
Anwendung



Anwendung



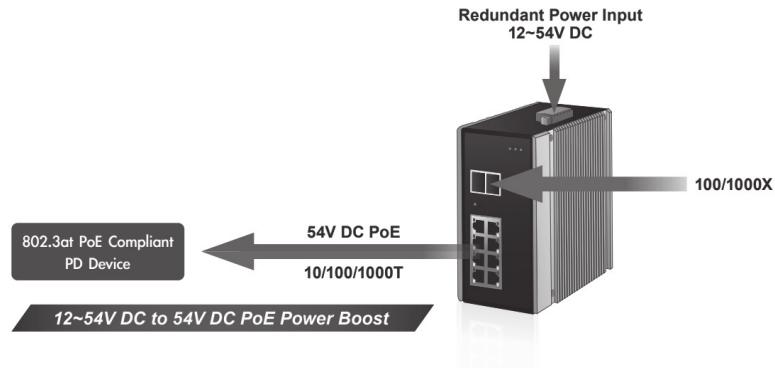
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Funktionsdiagramm



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LED Status

2.2 LED Indicators

■ System

LED	Color	Function
P1	Green	Lights: Indicates power 1 has power.
P2	Green	Lights: Indicates power 2 has power.
Alarm	Red	Lights: Indicates either power 1 or power 2 has no power.
60W	Amber	Off: Indicates the PoE usage is less than 30W. Blinks: Indicates that the PoE usage is around 30W to 59W. Lights: Indicates the PoE usage is around/over 60W.
120W	Amber	Blinks: Indicates that the PoE usage is around 60W to 119W. Lights: Indicates the PoE usage is around/over 120W.
180W	Amber	Blinks: Indicates that the PoE usage is around 120W to 179W. Lights: Indicates the PoE usage is around/over 180W.
240W	Amber	Blinks: Indicates that the PoE usage is around 180W to 239W. Lights: Indicates the PoE usage is at the maximum.

■ Per 802.3at PoE+ 10/100/1000BASE-T Interface (Port 1 to Port 8)

LED	Color	Function
LNK/ACT	Green	Lights: Indicates the link through that port is successfully established at 10Mbps, 100Mbps or 1000Mbps. Blinks: Indicates that the switch is actively sending or receiving data over that port.
PoE - in-Use	Amber	Lights: Indicates the port is providing DC in-line power. Off: Indicates the connected device is not a PoE powered device (PD).

■ Per 100/1000X SFP Slot (Port 9 to Port 10)

LED	Color	Function
LNK/ACT	Green	Lights: Indicates the link through that port is successfully established at 1000Mbps or 100Mbps. Blinks: Indicates that the switch is actively sending or receiving data over that port.
1000	Amber	Lights: Indicates the link through that port is successfully established at 1000Mbps. Off: Indicates the link through that port is not established or is established at 100Mbps.