GRANDSTREAM
CONNECTING THE WORLD

6-Port Outdoor Lite Managed Switch

GWN7710R

The GWN7710R is a 6-Port (5GE+1SFP) Outdoor Lite Managed PoE Switch with a professional outdoor shell design, IP66 dustproof and waterproof which can easily cope with rain, snow, high temperatures and other harsh weather conditions. The GWN7710R can build scalable, secure, high-performance, easy to use and manage business networks in scenic locations, hotels, restaurants and other similar areas. It supports not only flexible and complex traffic segmentation by VLAN, but also port-based, DSCP/802.1p QoS priority management modes, as well as bandwidth control and Storm Control, greatly improving the overall network performance.The GWN7710R integrates PoE power supply and PoE power receive, which results in multi-port long-distance PoE power supply while extending the data transmission distance. It can be managed in a variety of ways, including the local web user interface and GWN.Cloud. The compact body of GWN7701R and its support for pole, DIN-Rail and wall-mounted installation make it the ideal management network switch for both indoor and outdoor areas.

Gigabit

5 Gigabit RJ45 ports (4 PoE output ports, 1 PoE input port)

PoE

IEEE 802.3 at/af or 24V passive PoE out,
Up to 30W on each port

SFP Fiber Port for long-distance transmission

LED Indicators;
Per Port: Link/Activity/PoE Power State
Per Device: Power

IP66 dustproof and waterproof rating; Wide operating temperature range: -40°C and 60°C

Supports convenient and intelligent WEB management and GWN.Cloud management

Broadcast/Multicast/Unicast Storm Control to monitor traffic levels

QoS

Built-in QoS allows for prioritization of network traffic

	GWN7710R
Network Protocol	IPv4, IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1p, IEEE 802.3af, IEEE 802.3at
Communication Ports	• 5x Gigabit Ethernet Ports • 1x 1G/2.5G SFP Port
Power Supply	• 12V-57V DC input • Standard PoE /PoE+/PoE ++
PoE in and Poe Out Ports	• PoE In: Port 5; • PoE Out: Port 1 - Port 4
PoE Output	• Standard PoE output Mode (Default) • Passive 24VDC or 48VDC output Mode (Configured via UI)
PoE Output Power Budget	• Powered by Standard PoE In (802.11af/at/bt): 802.11af input: 3W output budget 802.11at input: 15W output budget 802.11bt input: 60W output budget • Powered by DC In (12V~57V): DC In>12V: 60W output budget DC In>24V: 72W output budget DC In>36V: 100W output budget
Max Output Power Per Port	• Standard PoE output Mode: Port 1 - Port 4 up to 30W on each PoE port; • Passive PoE output Mode: Port 1: 4-pair 48V DC up to 60W or 4-pair 24V DC up to 30W Port 2 - Port 4: 2-pair 48V DC up to 30W or 2-pair 24V DC up to 15W * Note: •4-Pair: Powered on pins: 1,2,4,5(+) 3,6,7,8(-) •2-Pair: Powered on pins: 4,5(+) 7,8(-)
Auxillary Ports	1x Reset Pinhole
Forwarding Mode	Store-and-forward
Total non-blocking throughput	15Gbps
Switching Capability	12Gbps
Jumbo Frame	2K/3K/4K/5K/6K/7K/8K/9K/12K/15K
Forwarding Rate	11.16Mpps
MAC	8K MAC address capacity
VLAN	• Supports up to 32 VLANs (Out of 4K VLAN IDs) • port-based VLAN, 802.1Q VLAN
LAG	3
Multicast	IGMP snooping, Report Message Suppression
QoS	• Auto prioritization of the incoming port of the packet • Supports port priority, 802.1P priority, and DSCP/802.1P priority • Bandwidth control • Storm Control • Rate limit
DHCP	DHCP client
Maintenance	Backup and restore, system reboot, factory reset, firmware upgrade, Monitoring including port statistics, port mirroring, cable test and loop prevention
Security	• Restrict user access based on port numbers and MAC addresses • Storm control • Port VLAN isolation • Filtering MAC address
Mounting	Pole/Wall-Mount/DIN-Rail
LED Indicators	• Per device System on : Green • Per Ethernet port Link/Activity: Green; • Per Passive PoE out port 48VDC: Red • Per Passive PoE out port 24VDC: Blue
ESD	± 10kV Air, ± 16kV Contact
Surge	CM 6KV
Environmental	• Operating Temperature: -40 to 60 °C (-40 to 140 °F) • Storage Temperature: -40 to 70 °C (-40 to 158 °F) • Operating Humidity: Support IP66 waterproof • Storage Humidity: 10% to 95% Non-condensing
Dimensions (LxWxH)	Unit: 210 x 150 x 52mm Package: 466 x 286 x 258mm
Weight	Unit: 0.68KG Entire Package :TBD KG
Package Content	1x Switch, Rack-mounting Standard Brackets , 1x QIG,4x assembled screw, 4x expansion screw ,2 x Metal straps,1x Phoenix connector
Compliance	FCC, CE, RCM, IC

GWN7710R PoE & VLAN Feature

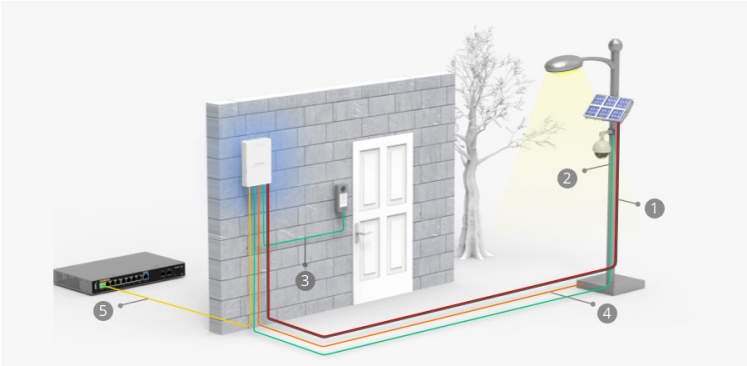
1. The switch will maintain PoE power supply during the soft restart to ensure data such as camera feeds are not lost.
2. Real-time dynamic display and control of PoE power to detect anomalies in a timely manner.
3. PoE port supports dynamic configuration for non-standard 24VDC and 802.3af/at to ensure the compatibility with various APs and cameras.
4. Support PoE++ and DC input, suitable for solar and switch cascaded power supply.
5. Supports port VLAN and 802.1Q VLAN, allowing users to flexibly divide VLANs according to the requirements.

Passive PoE output Mode

PINS	T568A Color	T568B Color	2-Pair	4-Pair
1	white/green stripe	white/orange stripe		DC ⊕
2	green solid	orange solid		DC ⊕
3	white/orange stripe	white/green stripe		DC ⊖
4	blue solid	blue solid	DC ⊕	DC ⊕
5	white/blue stripe	white/blue stripe	DC ⊕	DC ⊕
6	orange solid	green solid		DC ⊖
7	white/brown stripe	white/brown stripe	DC ⊖	DC ⊖
8	brown solid	brown solid	DC ⊖	DC ⊖

*4-Pair: power on pins 1,2,4,5(+) 3,6,7,8(-) *2-Pair: power on pins 4,5(+) 7,8(-)

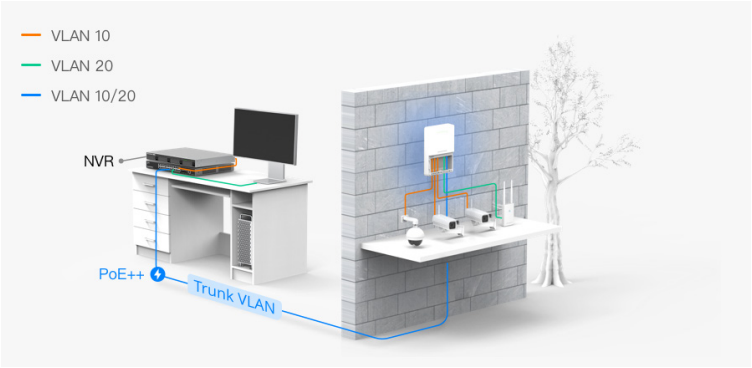
Deployment Case: Solar DC + Fiber Optic Cable



Port 1: 24/48V DC 4 Pair Passive PoE Camera
Port 2: 802.3af PoE IP Video Intercom System
Port 3: 24/48V DC IR LED Night Vision Lighting for Surveillance
Port 6 (SFP): SFP Optical Port
DC Terminal: Solar/Battery powered, 12-57V DC

1. Solar/Battery DC Power Supply Cable
2. 3. 4. Power over Ethernet Cable (PoE/Passive PoE 24V DC)
5. Optical Fiber for Long Distance Transmission

Deployment Case: PoE++ RJ45 Power and Data



Port 1: 24V/48V 4 Pair Passive PoE Camera
Port 2: 24V DC 2 Pair Passive PoE Camera
Port 3: 802.3af PoE Camera
Port 4: Outdoor Wi-Fi AP GWN7630LR
Port 5: PoE++ RJ45 Input