

**WSG05POE 2019** is a Gigabit PoE Switch and PoE Extender with 5xRJ-45 10/100/1000 Mbps Auto-Negotiation ports, that can be connected as a standalone PoE Switch or to another PoE Switch allowing you to extend the network over larger distances.

**WSG08POE, WSG16POE** and **WSG24POE 6KV protected** network switches are provided with 10/100/1000 Mbps Auto-negotiation Ethernet RJ-45 ports and support IEEE802.3az – Energy-Efficient Ethernet (“Green Ethernet”).

**WSG24POE** web managed switch is in addition supplied with 2 SFP Slots and a Console interface.

### SWITCHES & PoE EXTENDER HIGHLIGHTS

#### WSG05POE 2019 (PoE extender)

- 5 Gigabit PoE ports
- Up to 30W per port
- Max power: 70W



#### WSG16POE

- 16 Gigabit PoE ports
- Green Ethernet (802.3az)
- Max power: 260W
- 6KV lightning protection



#### WSG08POE

- 8 Gigabit PoE ports
- Green Ethernet (802.3az)
- Max power: 140W
- 6KV lightning protection
- No fan housing design



#### WSG24POE

- 24 Gigabit PoE ports
- 2 Gigabit SFP ports
- Green Ethernet (802.3az)
- Max power: 400W
- 6KV lightning protection



<b>WSG05POE (PoE extender)</b>	<b>WSG08POE</b>	<b>WSG16POE</b>	<b>WSG24POE</b>
<b>Standarts</b>			
<ul style="list-style-type: none"> <li>• IEEE802.3af</li> <li>• IEEE802.3at</li> <li>• IEEE802.3x</li> <li>• IEEE802.3ab</li> <li>• IEEE802.3az</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3i</li> <li>• IEEE 802.3u</li> <li>• IEEE802.3ab</li> <li>• IEEE802.3az</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3at</li> <li>• IEEE 802.3af</li> <li>• IEEE 1588</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3i</li> <li>• IEEE 802.3u</li> <li>• IEEE802.3ab</li> <li>• IEEE802.3az</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3at</li> <li>• IEEE 802.3af</li> <li>• IEEE 1588</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 802.3i</li> <li>• IEEE 802.3u</li> <li>• IEEE802.3ab</li> <li>• IEEE802.3z</li> <li>• IEEE 802.3x</li> <li>• IEEE 802.3at</li> <li>• IEEE 802.3af</li> <li>• IEEE 802.1q</li> <li>• (VLANs) /802.1p (QoS)</li> <li>• IEEE 1588</li> </ul>
<b>Ports</b>			
<ul style="list-style-type: none"> <li>• 5xRJ-45 10/100/1000 Mbps Auto-Negotiation ports</li> </ul>	<ul style="list-style-type: none"> <li>• 8xRJ-45 10/100/1000 Mbps Auto Negotiation ports</li> </ul>	<ul style="list-style-type: none"> <li>• 16xRJ-45 10/100/1000 Mbps Auto Negotiation ports</li> </ul>	<ul style="list-style-type: none"> <li>• 24xRJ-45 10/100/1000 Mbps Auto Negotiation ports</li> <li>• 2x1000Mbps SFP ports</li> <li>• 1xConsole port</li> </ul>
<b>Network media (cable)</b>			
<ul style="list-style-type: none"> <li>• 10Base-T: UTP cat. 5 or higher cable (max. 100m)</li> <li>• 100Base-Tx: UTP cat. 5,5e cable (max. 100m)</li> <li>• 1000Base-T: UTP category 5e,6 cable (max. 100m)</li> </ul>	<ul style="list-style-type: none"> <li>• 10Base-T: UTP cat. 3,4,5 cable (max. 100m)</li> <li>• 100Base-T: UTP cat. 5,5e cable (max. 100m)</li> <li>• 1000Base-T: UTP category 5e,6 cable (max. 100m)</li> </ul>	<ul style="list-style-type: none"> <li>• 10Base-T: UTP cat. 3,4,5 cable (max. 100m)</li> <li>• 100Base-T: UTP cat. 5,5e cable (max. 100m)</li> <li>• 1000Base-T: UTP cat. 5e,6 cable (max. 100m)</li> </ul>	<ul style="list-style-type: none"> <li>• 10Base-T: UTP cat. 3,4,5 cable (max.100m)</li> <li>• 100Base-Tx: UTP cat. 5,5e cable (max. 100m)</li> <li>• 1000Base-T: UTP cat. 5e,6 cable (max.100m)</li> <li>• 1000Base-SX: 62.5µm/50µm MMF (2~550m)</li> <li>• 1000Base-LX: 62.5µm/50µm MMF (2~550m) or 10µm SMF (2~5000m)</li> </ul>

<b>Switching capacity &amp; packet forwarding</b>			
	<ul style="list-style-type: none"> <li>Switching capacity: 16 Gbps</li> <li>Packet forwarding: 11.9 Mbps</li> <li>Packet buffer: 1.5 Mbit</li> </ul>	<ul style="list-style-type: none"> <li>Switching capacity: 32 Gbps</li> <li>Packet forwarding: 23.81 Mbps</li> <li>Packet buffer: 2 Mbit</li> </ul>	<ul style="list-style-type: none"> <li>Switching capacity: 52 Gbps</li> <li>Packet forwarding: 38.69 Mbps</li> <li>Packet buffer: 4.1 Mbit</li> </ul>
<b>Power pin assignment</b>			
<ul style="list-style-type: none"> <li>1/2(+), 3/6(-)</li> </ul>	<ul style="list-style-type: none"> <li>1/2(+), 3/6(-)</li> </ul>	<ul style="list-style-type: none"> <li>1/2(+), 3/6(-)</li> </ul>	<ul style="list-style-type: none"> <li>1/2(+), 3/6(-)</li> </ul>
<b>LED indicators</b>			
<ul style="list-style-type: none"> <li>10/100/1000M – Power, Link/Act</li> </ul>	<ul style="list-style-type: none"> <li>Per device: Power - Green</li> <li>Per port: Link/Act - Green; PoE - Yellow</li> </ul>	<ul style="list-style-type: none"> <li>Per device: Power - Green</li> <li>Per port: 10M/100M Link/Act - Orange; 1000M Link/Act - Green; PoE - Yellow</li> </ul>	<ul style="list-style-type: none"> <li>Per device: Power</li> <li>Per port: Link/Activity/Speed, PoE</li> </ul>
<b>Transfer method</b>			
<ul style="list-style-type: none"> <li>Store-and-Forward</li> </ul>	<ul style="list-style-type: none"> <li>Store-and-Forward</li> </ul>	<ul style="list-style-type: none"> <li>Store-and-Forward</li> </ul>	<ul style="list-style-type: none"> <li>Store-and-Forward</li> </ul>
<b>Mac address</b>			
<ul style="list-style-type: none"> <li>auto learning</li> <li>auto update 2K</li> </ul>	<ul style="list-style-type: none"> <li>auto learning</li> <li>auto update 8K</li> </ul>	<ul style="list-style-type: none"> <li>auto learning</li> <li>auto update 8K</li> </ul>	<ul style="list-style-type: none"> <li>auto learning</li> <li>auto update 8K</li> </ul>
<b>Frame Filtering and Forward Rate</b>			
<ul style="list-style-type: none"> <li>10Mbps: 14880pps</li> <li>100Mbps: 148800pps</li> <li>1000Mbps: 1488000pps</li> </ul>	<ul style="list-style-type: none"> <li>10Mbps: 14880pps</li> <li>100Mbps: 148800pps</li> <li>1000Mbps: 1488000pps</li> </ul>	<ul style="list-style-type: none"> <li>10Mbps: 14880pps</li> <li>100Mbps: 148800pps</li> <li>1000Mbps: 1488000pps</li> </ul>	<ul style="list-style-type: none"> <li>10Mbps: 14880pps</li> <li>100Mbps: 148800pps</li> <li>1000Mbps: 1488000pps</li> </ul>
<b>Web management</b>			
<ul style="list-style-type: none"> <li>Unmanaged</li> </ul>	<ul style="list-style-type: none"> <li>Unmanaged</li> </ul>	<ul style="list-style-type: none"> <li>Unmanaged</li> </ul>	<ul style="list-style-type: none"> <li>Web managed</li> </ul>
<b>Dimensions</b>			
<ul style="list-style-type: none"> <li>140*78*28 mm</li> <li>4.5 kg</li> </ul>	<ul style="list-style-type: none"> <li>280*180*44mm</li> <li>1.88 kg</li> </ul>	<ul style="list-style-type: none"> <li>440*208*44 mm</li> <li>2.53 kg</li> </ul>	<ul style="list-style-type: none"> <li>440*208*44 mm</li> </ul>

<b>Environment</b>			
Temperatures: <ul style="list-style-type: none"> <li>operating 0°C to 40°C</li> <li>storage -40°C to 70°C</li> </ul> Humidity non-condensing: <ul style="list-style-type: none"> <li>operating 10%~90%</li> <li>storage 5%~90%</li> </ul>	Temperatures: <ul style="list-style-type: none"> <li>operating 0°C to 45°C</li> <li>storage -40°C to 70°C</li> </ul> Humidity non-condensing: <ul style="list-style-type: none"> <li>operating 10%~90%</li> <li>storage 5%~90%</li> </ul>	Temperatures: <ul style="list-style-type: none"> <li>operating 0°C to 45°C</li> <li>storage -40°C to 70°C</li> </ul> Humidity non-condensing: <ul style="list-style-type: none"> <li>operating 10%~90%</li> <li>storage 5%~90%</li> </ul>	Temperatures: <ul style="list-style-type: none"> <li>operating 0°C~40°C</li> <li>storage -10°C to 70°C</li> </ul> Humidity non-condensing: <ul style="list-style-type: none"> <li>operating 16,67%~90%</li> <li>storage 5%~90%</li> </ul>
<b>PoE power</b>			
<ul style="list-style-type: none"> <li>Up to 30W per port</li> <li>PoE Budget: 70W</li> </ul>	<ul style="list-style-type: none"> <li>Up to 30W per port</li> <li>PoE Budget: 120W</li> </ul>	<ul style="list-style-type: none"> <li>Up to 30W per port</li> <li>PoE Budget: 240W</li> </ul>	<ul style="list-style-type: none"> <li>Up to 30W per port</li> <li>PoE Budget: 380W</li> </ul>
<b>Power supply and consumption</b>			
<ul style="list-style-type: none"> <li>External power supply: 48-52V 1.5A 80W</li> <li>Max (PoE on): 70W</li> </ul>	<ul style="list-style-type: none"> <li>Internal power supply: AC 100V~240V, 50/60Hz, 150W</li> <li>Max (PoE on): 130W (220V/50Hz)</li> </ul>	<ul style="list-style-type: none"> <li>Internal power supply: AC 100V~240V, 50/60HZ, 260W</li> <li>Max (PoE on): 264W (220V/50Hz)</li> </ul>	<ul style="list-style-type: none"> <li>Internal power supply: AC 100V~240V, 50/60HZ, 400W</li> <li>Max (PoE on): 435W (220V/50Hz)</li> </ul>
<b>Installation</b>			
<ul style="list-style-type: none"> <li>Wall or shelf, desk</li> </ul>	<ul style="list-style-type: none"> <li>Desk/rack</li> </ul>	<ul style="list-style-type: none"> <li>Desk/rack</li> </ul>	<ul style="list-style-type: none"> <li>Desk/rack</li> </ul>