

# OptiXstar M690 Datasheet

Date: 2024-08-30

## Product Overview



### NOTE

The actual product appearance prevails.

## Technical Specifications

NNI	GPON	UNI	4 x GE + 2.4 GHz & 5 GHz Wi-Fi 6
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<b>Dimensions (WxDxH)</b>	250 mm×180 mm×43.6 mm	<b>System power supply</b>	12V DC, 1 A
<b>Operating temperature</b>	-10°C to +45°C	<b>Operating humidity</b>	5%-95% RH (non-condensing)
<b>Static power consumption</b>	6 W	<b>Maximum power consumption</b>	9 W
<b>Power adapter input</b>	90-270 V AC, 50/60 Hz	<b>Protection rating</b>	IP20
<b>Weight</b>	About 1.3 kg	<b>Installation mode</b>	Support desktop installation, wall mounting, 19 inch cabinet or network box installation.

## Port Parameters

<b>GPON</b>	<ul style="list-style-type: none"> <li>● Port mode: GPON</li> <li>● Port type: SC/APC</li> <li>● Transmission rate: 2.488 Gbit/s downstream and 1.244 Gbit/s upstream</li> </ul>	<b>LAN Ports</b>	<ul style="list-style-type: none"> <li>● RJ-45 connector</li> <li>● Auto ports speed(10/100/1000 Mbit/s)</li> <li>● Complying with IEEE802.3</li> </ul>
		<b>Wi-Fi Parameter</b>	<ul style="list-style-type: none"> <li>● IEEE 802.11 b/g/n/ax (2.4GHz)</li> <li>● IEEE 802.11 a/n/ac/ax (5GHz)</li> <li>● 2x2 MIMO (2.4GHz/5GHz)</li> <li>● Antenna gain: 5dBi(2.4GHz/5GHz)</li> <li>● Multiple SSIDs</li> <li>● Air interface rate: 574 Mbit/s(2.4GHz); 2402 bit/s(5GHz)</li> <li>● Maximum of 64 devices connected</li> </ul>

## Function List


<b>Smart O&amp;M</b> <ul style="list-style-type: none"> <li>● OMCI/Web UI/TR069</li> <li>● PPPoE/DHCP simulation testing</li> <li>● NCE remote management</li> </ul>	<b>Layer 3 Features</b> <ul style="list-style-type: none"> <li>● PPPoE client/static address/DHCPserver /DHCP Client</li> <li>● IPv6/DHCPv6Server/DHCPv6 Client</li> <li>● DDNS/DNS</li> <li>● Static route</li> <li>● NAT/NAPT/static one-to-one address translation</li> </ul>	<b>QoS</b> <ul style="list-style-type: none"> <li>● Ethernet port rate limitation</li> <li>● 802.1p priority</li> <li>● SP/WRR/SP+WRR</li> <li>● Broadcast packet rate limitation</li> </ul>
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	<ul style="list-style-type: none"> <li>● DMZ/Port Mapping/Port Tigger</li> <li>● L2TP</li> <li>● L2TP ALG/UPnP/ARP</li> <li>● VXLAN/IPsec tunnel</li> </ul>	
<b>Layer 2 Management</b> <ul style="list-style-type: none"> <li>● Virtual local area network (VLAN) management</li> <li>● MAC bridge management</li> <li>● Ringcheck</li> <li>● LLDP-MED</li> <li>● DHCP Option82</li> <li>● PITP</li> <li>● BPDU transparent transmission</li> </ul>	<b>Multicast</b> <ul style="list-style-type: none"> <li>● IGMPv2/v3 snooping</li> <li>● IGMPproxy</li> <li>● MLDv1/MLDv2 snooping</li> <li>● Multicast service emulation</li> <li>● GPON interoperation multicast</li> </ul>	<b>Security</b> <ul style="list-style-type: none"> <li>● IPv4/IPv6 firewall</li> <li>● Anti-DoS attack</li> <li>● MAC/IP/URL address filtering</li> <li>● Static MAC addresses binding</li> <li>● 802.1x</li> </ul>

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