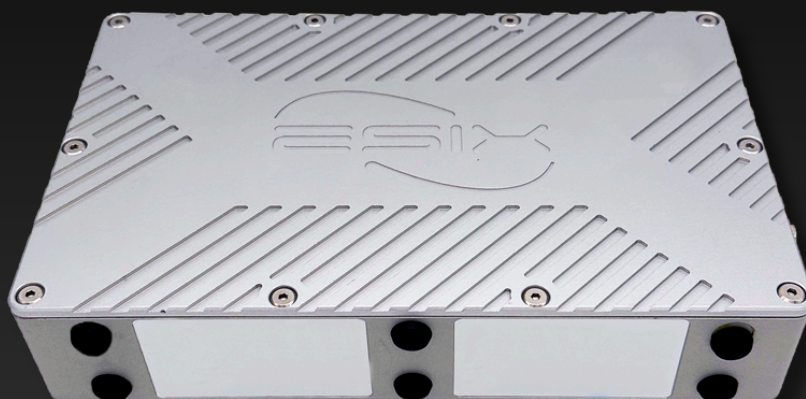


Xatellite PWR-L x7610 series

IP67 Industrial Grade Outdoor POE+ output Dual 5G CPE



BGP4+ Available

With the powerful Quad-Core ARM V8 CPU and Dedicated Network Processing Unit Acceleration in place, BGP4+ is now at your disposal.

Dual 5G Module NR SA / NSA

Supports up to 28 5G frequency bands and has dual module for an active-active configuration, enabling Industrial business expansion.

NSA

5G 

SA

5 POE Output Ports

With its 3 × M12 POE+ & 2 × M12 POE++ power output ports, it delivers ample power and network connectivity to end devices, such as cameras and machines.

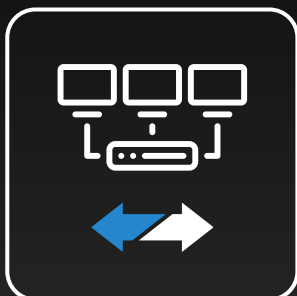


IP67 Waterproof

Used in industrial settings within harsher environments, providing durability and protection with its Aluminum Alloy Cover



SD-WAN Ready



Enhance your SD-WAN deployment with the power of Multi Ethernet WANs. You can leverage all available WAN connections to ensure uninterrupted connectivity and keep your business operations running smoothly.

Network Bonding, Failover

Bonds multiple networks together, including Multi-WAN capabilities, to create higher bandwidth. It seamlessly switches between connections within milliseconds for low latency and safe operation.



Use Cases



Smart Lamp Pole



Traffic Light,
Outdoor surveillance



Smart ports Crane
control, monitoring,
outdoor AGV



Maritime boat
management

XATELLITE PWR-L X7610 SERIES SPECIFICATION

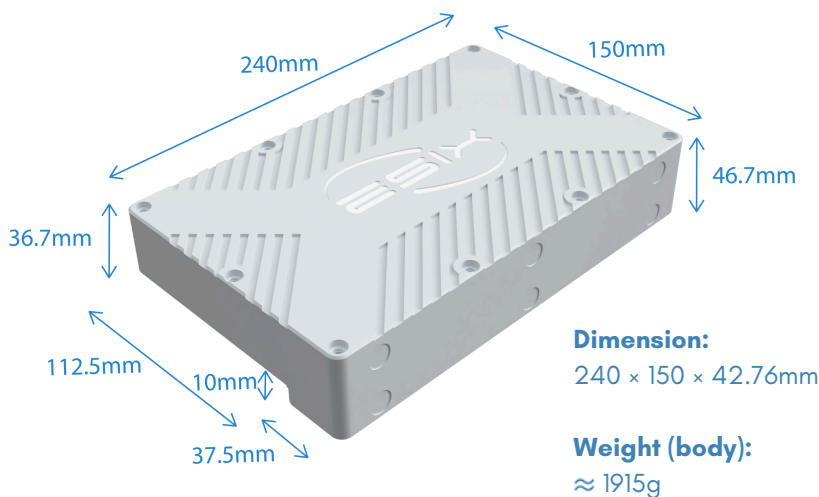


Xatellite	Series	PWR-L	
	Edition	x7610	x7610s
Summary	Mobile	5G + 5G	5G
	Wi-Fi	NIL	
	M12 Ethernet Ports (LAN + WAN)	5	
	Bandwidth bounding & redundancy	5G + 5G + fixed line	5G + fixed line
Hardware	CPU	64-bit Quad- Core ARMv8	
	NPU	Twelve-Threaded network processing unit	
	Form Factor	Aluminum alloy waterproof case	
	Mounting Option	75 x 75 mm VESA mount	
Cellular Network	Communication Standard	3GPP Release 16 NSA/SA, operation sub-6 Ghz	
	Application Network	5G NR SA, 5G NR NSA, LTE-FDD, LTE-TDD, WCDMA	
	5G NR Transmission Rate	5G SA Sub-6: - Downstream 2.4Gbps - Upstream 900 Mbps 5G NSA Sub-6: - Downstream 3.4 Gbps - Upstream 550 Mbps	
	4G LTE Transmission Rate	CAT-19 Downstream 1.0 Gbps CAT-18 Upstream 200 Mbps	
	Network Frequency Band: 5G: Frequency Locking available	N1/N2/N3/N5/N7/N8/N12/N13/N14/N18/N20/N25/N26/N28/N29/N30/N38/N40/N41/N48/N66/N70/N71/N75/N76/N77/N78/N79	
	Network Frequency Band: 4G: Frequency Locking available	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B34/B38/B39/B40/B41/B42/B43/B46/B48/B66/B71	
	Antenna Connectors (SMA)	8 x 5G antennas	4 x 5G antennas
I/O	LAN/WAN Ports	5 x GE M12 Ethernet ports (Adapted cables to RJ45 available)	
	SIM Options	2 x Dual Micro SIM Trays, 4 x SIM cards Max (Double SIM, Double Pass / *Dual SIM, Single Pass, Single Standby / *Quad SIM, Double Pass, Double Standby)	1 x Dual Micro SIM Trays, 2 x SIM cards Max (Dual SIM, Single Pass, Single Standby)
	USB Ports	NIL	
	Reset	1 x Reset / Factory Restore Button	
Operation Environment	Operation Temperature / Humidity	-30°C ~ 75°C; -40°C ~ 85°C (Extended)	
	Humidity	5% ~ 95% non-condensing	
	Ingress Protection Rating	IP67	
Storage Environment	Temperature	-40°C ~ 85°C	

XATELLITE PWR-L X7610 SERIES SPECIFICATION



Xatellite	Series	PWR-L	
	Edition	x7610	x7610s
Power	Input	M12 5-pin industrial power port 24 ~ 56V DC Available adaptors - None (default) - 48V/144W adaptor, 138W PoE+ output (optional) - 48V/300W, IP65 adaptor, 240W PoE+ output (optional)	
	Consumption	8.5W: 5G module(s) On (no data flow), No PoE output	
	Output (Max)	210W: 2 × PoE++ ports, 3 × PoE+ ports (Integrated GUI managable included)	
Functions	Network Features	Support RIPv1, RIPv2, RIPvng, OSPFv2, OSPFv3, BGP-4, BGP-4+, Policy-based Routing, NAT, PAT, BFD, MPLS, Multi-WAN, IPv6/IPv4 dual stack, SRv6, 802.1Q VLAN, VxLAN, STP, RSTP, MSTP, QinQ over IP, MQTT Broker, etc.	
	Security	Support Sim PIN protection, Firewall, Mac Address Access Control, IP Address Access Control, MACsec	
	VPN	Support IPsec VPN, DMVPN, GRE, WireGuard, EVPN-VXLAN, IPfiber(L2 overlay)	
	GNSS	Support GPS, Beidou, Galileo(Optional)	
	Administrator Maintenance	Support SSH, WebUI, SDM (Remote WebUI/Console access)	
	Cloud Central Management	Yes	
Performance	Router Throughput (Max)	6 Gbps	
	IPSec Throughput (Max)	AES-128-SHA1: 540 Mbps AES-256-SHA256: 500 Mbps	
	IPfiber Throughput (Max)	Standard Encryption (AES-128-GCM-SHA256): 680 Mbps Enhanced Encryption (AES-256-GCM-SHA384): 500 Mbps	
	MACsec Throughput (Max)	GCM-AES-128: 915 Mbps GCM-AES-256: 880 Mbps	
	*Note: Router/IPsec/MACsec/IPfiber Throughput is based on MTU 1500 bytes. Actual performance can vary across different networking environments. Figures apply to the latest hardware revision. The throughput result is tested with DHCP/Static IP.		



Suitable for 75 × 75 mm VESA mount kit

There might be colour aberration between picture and each existence

ORDERING INFORMATION

SKU	Packing List
X7615-55-P00-PJX (Reference: x7610, Dual 5G)	SKU: X7615-55-P00-PJX - Xatellite PWR-L X7610 router body - Dual 5G Module inside - Mushroomhead 5G antennas with cable(2meters)(EA-5M-2) × 2 - M12-RJ45 Waterproof Cords (EW-M12-R) (1 meter)(include dual side waterproof connector × 1) × 2 - M12 Waterproof Cap (EW-M-D) × 5 - SMA Waterproof Cap (EW-S-D) × 8 - M12 female cable connector (EW-M12-5PIN) × 1
X7615-50-P00-PJX (Reference: x7610s, Single 5G)	SKU: X7615-50-P00-PJX - Xatellite PWR-L X7610s router body - Single 5G Module inside - Mushroomhead 5G antennas with cable(2meters)(EA-5M-2) × 1 - M12-RJ45 Waterproof Cords (EW-M12-R) (1 meter) (include dual side waterproof connector × 1) × 2 - M12 Waterproof Cap (EW-M-D) × 5 - SMA Waterproof Cap (EW-S-D) × 4 - M12 female cable connector (EW-M12-5PIN) × 1
Accessories	
EP-I-300M	AC/DC Adapter (IP65) , 48V DC/Max 300W for Full POE+ Output - M12
EP-D-144M	AC/DC Adapter, 48V DC/Max 144W - M12
EA-5M-2	External Waterproof 5G Mushroom Antenna (2 meters)
EA-5M-3	External Waterproof 5G Mushroom Antenna (3 meters)
EA-S-5	SMA 5G/4G/GNSS Antenna
EW-M12-R	M12-RJ45 Waterproof Cords for Ethernet Connection (1m) (include dual side waterproof connector × 1)
EW-M-D	M12 Waterproof Cap
EW-S-D	SMA Waterproof Cap
EI-V75	VESA 75 × 75 mm Mount Kit
EI-PWRL-JIG	PWR-L Mount Kit for JIG
EW-M12-S	M12-SFP Waterproof Connector
EW-M12-5PIN	M12 female cable connector (2+PE, unshielded, moulded on the cable, IP68)
EW-M12-DM12	Dual M12 heads ethernet cable (0.5m)(for connecting PWR-L and Xtation)

*Any special requirements, please contact to sales representative.

ESIX STANDARD WARRANTY POLICY



STANDARD HARDWARE/SOFTWARE WARRANTY POLICY

eSIX warrants solely to the original end-user purchaser ("Purchaser") that hardware ("Hardware") purchased from eSIX or our Authorized Partners will be free from defects in materials and workmanship when used within the limits set forth in the documentation (data sheet and user manual) for a period of twelve (12) months, starting from the time of shipment of the Hardware, or the date the Hardware was purchased according to sales registration, whichever is later. (If a 36-month warranty is required, please contact the sales representative.)

This limited warranty is non-transferable and extends only to the original end-user purchaser who acquired the Hardware from an Authorized Partner who has the right to sell in the end-user's territory. eSIX explicitly disclaims any warranty obligations for Hardware that is sold outside of the assigned territory of an Authorized Partner. Your exclusive remedy and eSIX' entire liability under this limited warranty will be for eSIX, at its option, to (a) repair the Hardware with new or refurbished parts, or (b) replace the Hardware with a reasonably available equivalent new or refurbished eSIX Hardware. Any repaired or replacement Hardware will be warranted for the remainder of the original Warranty Period or thirty (30) days, whichever is longer. All Hardware and parts that are replaced become the property of eSIX.

EXCLUSION AND LIMITATIONS

This limited warranty does not apply if: (a) the Hardware assembly seal has been removed or damaged, (b) the Hardware has been altered or modified, except by eSIX, (c) the Hardware damage was caused by use with non eSIX Hardware, (d) the Hardware has not been installed, operated, repaired, or maintained in accordance with instructions supplied by eSIX, (e) the Hardware has been subjected to abnormal physical or electrical stress, abuse, misuse, negligence, or accident, (f) the serial number on the Hardware has been altered, defaced, or removed, (g) the Hardware damage was caused by lightning, power surges or wrong voltage usage, or (h) the Hardware is supplied or licensed for beta, evaluation, promotional, testing or demonstration purposes for which eSIX does not charge a purchase price or fee.

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Without limiting the foregoing, eSIX does not warrant that the operation of the Hardware or Software will be uninterrupted or error free. Also, due to the continual development of new techniques for intruding upon and attacking networks, eSIX does not warrant that the Hardware, Software or any equipment, system or network on which the Hardware or Software is used will be free of vulnerability to intrusion or attack. The Hardware and Software may include or be bundled with third party software or service offerings. This limited warranty shall not apply to such third party software or service offerings. This limited warranty does not guarantee any continued availability of a third party's service for which this Hardware's or Software's use or operation may require.