



LiteWave PoE Switches

Datasheet

LiteWave Series

Ideal for
Basic
Networks



LS105LP/LS105GP



LS106LP/LS108GP



LS109P/LS1210GP

Product Pictures							
Model		LS105LP	LS106LP	LS109P	LS105GP	LS108GP	LS1210GP
Standards		IEEE802.3i, IEEE802.3u, IEEE802.3x,IEEE802.3af		IEEE802.3i, IEEE802.3u, IEEE802.3x,IEEE802.3af, IEEE802.3at	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.1p		IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at, IEEE 802.1p, EEE 802.3z
Interface		5 10/100 Mbps RJ45 Ports	6 10/100 Mbps RJ45 Ports	9 10/100 Mbps RJ45 Ports	5 10/100/1000 Mbps RJ45 Ports	8 10/100/1000 Mbps RJ45 Ports	9 10/100/1000 Mbps RJ45 Ports 1 1000 Mbps SFP port
Network Media (Cable)		10BASE-T: UTP category 3, 4, 5 cable (maximum 100 m); EIA/TIA-568 100Ω STP (maximum 100 m) 100BASE-TX: UTP category 5, 5e cable (maximum 100 m); EIA/TIA-568 100Ω STP (maximum 100 m)			10BASE-T: UTP category 3, 4, 5 cable (maximum 100 m); EIA/TIA-568 100 Ω STP (maximum 100 m) 100BASE-TX: UTP category 5, 5e cable (maximum 100 m); EIA/TIA-568 100 Ω STP (maximum 100 m) 1000BASE-T: UTP category 5e cable or above (maximum 100 m); EIA/TIA-568 100 Ω STP (maximum 100 m)		
PoE	PoE Standard	PoE Standard: IEEE 802.3af		IEEE 802.3af, IEEE 802.3at			
	PoE Port	Port 1–4, up to 15.4 W per port		Port 1–8, up to 30 W per port	Port 1–4, up to 30 W per port	Port 1–8, up to 30 W per port	
	PoE Power Budget	41 W***		63 W***	65 W***	62 W***	61W***
Auto Negotiation		Yes					
Auto MDI/MDIX		Yes					
Max Power Consumption		2.40 W (220 V/50 Hz no PD connected) 46.45 W (220 V/50 Hz with 41 W PD connected)	2.53 W (220 V/50 Hz no PD connected) 47.76 W (220 V/50 Hz with 41 W PD connected)	3.67 W (220 V/50 Hz no PD connected) 73.24 W (220 V/50 Hz with 63 W PD connected)	4 W (220 V/50 Hz no PD connected) 74.46 W (220 V/50 Hz with 65 W PD connected)	5.53 W (220 V/50 Hz no PD connected) 71.61 W (220 V/50 Hz with 62W PD connected)	7.3 W (220 V/50 Hz no PD connected) 76.96 W (220 V/50 Hz with 61 W PD connected)
Max Heat Dissipation		8.15 BTU/h (220 V/50 Hz no PD connected) 157.93 BTU/h (220 V/50 Hz with 41 W PD connected)	8.61 BTU/h (220 V/50 Hz no PD connected) 162.38 BTU/h (220 V/50 Hz with 41 W PD connected)	12.48 BTU/h (220 V/50 Hz no PD connected) 249 BTU/h (220 V/50 Hz with 63 W PD connected)	13.6 BTU/h (220 V/50 Hz no PD connected) 253.16 BTU/h (220 V/50 Hz with 65 W PD connected)	18.81 BTU/h (220 V/50 Hz no PD connected) 243.47 BTU/h (220 V/50 Hz with 62W PD connected)	24.82 BTU/h (220 V/50 Hz no PD connected) 261.66 BTU/h (220 V/50 Hz with 61 W PD connected)
Forwarding Mode		Store and Forward					
Switch Capacity		1 Gbps	1.2 Gbps	1.8 Gbps	10 Gbps	16 Gbps	20 Gbps
MAC Address Table		2k, Auto-learning, Auto-aging				4k, Auto-learning, Auto-aging	
Extend Mode		YES (Ports 1-4)		YES (Ports 1-4/Ports 1-8)	YES (Ports 1-2)		YES (Ports 1-4)
Isolation Mode		No		YES (Ports 1-8)	No		YES (Ports 1-8)
PoE Auto Recovery		YES (Ports 1-4)	YES (Ports 1-4)	YES (Ports 1-8)	YES (Ports 1-4)	YES (Ports 1-8)	
Flow Conrol		Yes					
Fan Quantity		0					
LED		Power, Link/Act, PoE Status, PoE MAX					
Dimensions		3.9*3.9*1.0 in. (99.8 x 98 x 25 mm)	6.2*4.0*1.0 in. (158 x 101 x 25 mm)	6.7X3.9X1.1 in. (171 x 98 x 27 mm)	3.9*3.9*1.0 in. (99.8 x 98 x 25 mm)	6.2*3.9*1.0 in. (158 x 99 x 25 mm)	8.2*4.9*1.0 in. (209 x 126 x 26 mm)
Certifications		CE, FCC, RoHS					