



**DIGISOL™**

# WIRELESS AND BROADBAND

## DIGISOL 2.4GHz 300Mbps Outdoor Access Point

### DG-WM2030DO

#### Key Features:-

- IEEE 802.11n 2.4Ghz Wireless
- Multiple SSID: Up to 4 SSIDs
- Throughput upto 300Mbps
- QoS-WMM Support
- Multiple Operational Modes



#### Introduction:-

**DIGISOL DG-WM2030DO** is Outdoor wireless AP/CPE. It comply with IEEE 802.11b/g/n standard, 300Mbps high speed, N-type antenna connector, 1000mW high power for wider outdoor wifi range.

It support wireless AP, Gateway, WiFi Repeater, Bridge, WISP, WDS operation mode, then with N-type connector for detachable omni/panel antenna, user can flexibly choose a suitable wireless mode to build or extend the wireless networking based on existing networking structure.

DG-WM2030DO with metal waterproof, dustproof and sunscreen shell, temperature adaptive and board protective to work in harsh outdoor environment, meanwhile, the auxiliary cooling function makes DG-WM2030DO work normal at -100C to 500C, it support Power over Ethernet, support passive PoE, easy in setup even no power socket nearby.

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## Technical Specifications:-

### Hardware Specifications

Item	DG-WM2030DO		
<b>Hardware:</b>			
Chipset	Qualcomm QCA9531		
Wireless	802.11N, 2T2R 300M MIMO Technology		
Memory	64MB DDR2 RAM		
Flash	16MB		
Interface	1 10/100 Mbps RJ45 Port, support 12~24V PoE		
	1 Reset Button		
Antenna	SMA Connector, can connect with panel antenna/omni antenna*		
LED Light	Power, WiFi		
Size	L: 153.2mm, W: 79.5mm, H: 234.5 mm		
Power	POE 24V/1A; 110V/220V		
<b>RF Date:</b>			
RF Data	802.11b/g/n:		
	2.4~2.4835GHz		
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM		
Data Rate	DSSS = DBPSK, DQPSK, CCK		
	300 Mbps		
Receive Sensitivity	802.11n(2.4GHz)		
RF Output Power	-90dBm @MCS0	802.11g	802.11b
	-72dBm @ MCS7	- 90dBm @ 6Mbps	- 95dBm @ 1Mbps
	-90dBm @ MCS8	- 72dBm @ 54Mbps	- 90dBm @ 11Mbps
	-68dBm @ MCS15		
	802.11n(2.4GHz)(± 1.5dBm)		
	29dBm@ MCS0~2/MCS8~10	802.11g(±1.5dBm)	802.11b (±1.5dBm)
	29dBm @ MCS3/MCS11	29dBm @ 6~24Mbps	29dBm @1~11Mbps
	28dBm @ MCS4/MCS12	28dBm @ 36Mbps	
	28dBm @ MCS5/MCS13	28dBm @ 48Mbps	
	26dBm @ MCS6/MCS14	26dBm @ 54Mbps	
	26dBm @ MCS7/MCS15		
<b>Firmware:</b>			
Operation Mode	Gateway/AP/WiFi Repeater/WISP/WDS		
Protocol/Standard	IEEE 802.3 (Ethernet)		
	IEEE 802.3u (Fast Ethernet)		
	IEEE 802.11b/g/n (2.4G WLAN)		
Wireless	Auto-Channel selection		
	Distance Control (802.1x Ack timeout)		
	Multiple SSID (4 SSID)		
	BSSID		

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Item	DG-WM2030DO
Security	WEP Encryption-64/128/152 bit
	WPA/WPA2 Personal (WPA-PSK using TKIP or AES)
	WPA/WPA2 Enterprise (WPA-EAP using TKIP)
	Hide SSID
System Setting	Web-based configuration (HTTP/Telnet)
Firmware upgrade	Upgrade firmware via web browser or TFTP
Administration	Admin Password can be configured
System monitoring	Status in hand , useful statistic and Event log
Log	Supports local logs, logs host, logs file export
Reset	Reset or factory defaults
Backup	Restore settings & configuration of the device to local file
<b>Physical Property:</b>	
Temperature	Working: -10°C~50°C
	Storage: -20°C to 70°C
Humidity	5%~95% (typical)
<b>Package:</b>	
DG-WM2030DO unit	
PoE Adapter & Mounting kit	
User Manual	
LAN Cable	

\*Remark: antenna not included.

## Ordering Information:-

### DG-WM2030DO: DIGISOL DIGISOL 2.4GHz 300Mbps Outdoor Access Point

\*Standard Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

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