

#### **Product Highlights**

**High Speed Wireless Connectivity** 

Wireless speeds up to 1200 Mbps<sup>1</sup> are ideal for bandwidth-intensive business applications

# Trusted Security and Authentication Features

Maintain a highly secure network with a range of features including WPA/WPA2, Wireless LAN segmentation, and VLAN support

#### **Flexible Operation**

Configure to use as an Access Point, a Wireless Distribution System (WDS), WDS with Access Point or a Wireless Client



## DAP-2620 Wireless AC1200 Wave 2 Dual-Band PoE Access Point

#### Features

#### **High-performance Connectivity**

- IEEE 802.11ac<sup>1</sup>
- Up to 1200 Mbps<sup>1</sup>
- Gigabit LAN port
- Band Steering

#### Made for Business-class Environments

- Simultaneous operation in two frequency bands 2.4 GHz and 5 GHz
- Traffic control/QoS
- Internal RADIUS server

#### **Trusted Security Features**

- WPA/WPA2 Enterprise/Personal
- 64/128-bit WEP encryption
- MAC address filtering
- Network Access Protection (NAP)
- ARP spoofing ARP Spoofing Prevention

#### **Convenient Installation**

- Supports 802.3af Power over Ethernet
- Wall mounting brackets included
- Two RJ11 ports allow connection of an analog phone

The DAP-2620 Wireless AC1200 Wave 2 Dual-Band PoE Access Point is designed for small to medium businesses or enterprises, providing unparalleled bandwidth and flexibility for administrators looking to deploy a medium to large scale Wi-Fi network. This AP has manageable dual-band wireless LAN options and utilizes the cutting-edge speed of Wireless AC.

DAP-2620 can be managed by Nuclias Connect Controller. The Nuclias Connect solution provides for easier administration of wireless networks, including continuous monitoring of network activities, equipment configuration automation, performance parameters and network security control etc.

#### **Blazing Wireless Wave 2 AC Performance**

The DAP-2620 delivers reliable, high-speed wireless performance using the latest 802.11ac<sup>1</sup> standards with maximum wireless signal rates of up to 300 Mbps over the 2.4 GHz band, and 867 Mbps over the 5 GHz band. This, coupled with support for the Wi-Fi Multimedia™ (WMM) Quality of Service (QoS) feature, makes it an ideal access point for audio, video, and voice applications. When enabled, QoS allows the DAP-2620 to automatically prioritize network traffic according to the level of interactive streaming, such as HD movies or VoIP.

#### **Versatile Access Point Functionality**

The DAP-2620 allows network administrators to deploy a highly manageable and extremely robust simultaneous dual-band wireless network. The DAP-2620 can provide optimal wireless coverage over either the 2.4 GHz (802.11b, 802.11g, and 802.11n) or the 5 GHz (802.11a, 802.11n and 802.11ac) bands. For advanced installations, the DAP-2620 has integrated 802.3af Power over Ethernet (PoE) support, allowing the device to be installed in areas where power outlets are not readily available.



### DAP-2620 Wireless AC1200 Wave 2 Dual-Band PoE Access Point

#### Security

To help maintain a secure wireless network, the DAP-2620 supports both Personal and Enterprise versions of WPA and WPA2 (802.11i), with support for RADIUS server backend and a built-in internal RADIUS server allowing users to create their accounts within the device itself. This access point also includes MAC address filtering, wireless LAN segmentation, SSID broadcast disable, rogue AP detection, and wireless broadcast scheduling for further protection of your wireless network. The DAP-2620 includes support for up to eight VLANs per band, allowing multiple SSIDs to be implemented and further segment users on the network. It also includes a wireless client isolation mechanism, which limits direct client-to-client communication. Additionally, the DAP-2620 supports to define multiple levels of network access based on individual client's needs.

#### **Network Management**

Network administrators have multiple options for managing the DAP-2620, including web (HTTP/HTTPS), Secure Shell (SSH, which provides for a secure channel between local and remote computers), and Telnet. In addition, the DAP-2620 has a wireless scheduler feature, which turns off wireless functionality when it isn't needed, saving power.

#### **Multiple Operation Modes**

DAP-2620 supports several operating modes: Access Point, Wireless Distribution System (WDS), WDS with AP, Wireless Client. As a standard wireless access point (AP) the DAP-2620 can connect to a wide range of devices that are 802.11n/g/b/ac compliant. In wireless distribution system (WDS) mode it can expand current wireless coverage without the need for a wired backbone link. As a wireless client it can connect to an existing AP and and provide access to the network for devices connected using an Ethernet cable. The DAP-2620 also features advanced features such as load balancing and redundancy, for fail-safe wireless connectivity.

#### **MU-MIMO Technology**

The DAP-2620 supports MU-MIMO (Multi-User Multiple Input Multiple Output), which enables the device to simultaneously communicate with multiple clients using multiple antennas. This allows the access point to utilize the spectrum more efficiently and significantly increase the network capacity.

Features						
Hardware						
RAM	• 128MB, DDR2					
Flash	• 16MB, SPI					
Interfaces	<ul> <li>802.11a/b/g/n/ac Wave 2 wireless<sup>1</sup></li> <li>1x10/100/1000Base-T LAN 802.3af PoE port</li> <li>1x10/100/1000Base-T LAN port</li> <li>2 RJ11 ports</li> </ul>					
LEDs	<ul> <li>Power/Status         <ul> <li>Solid green - Device operational</li> <li>Flashind red - Device booting up/Device malfunctioned</li> <li>Solid red - Device boot up has failed</li> </ul> </li> </ul>					
Buttons	Factory reset button					
Antennas	<ul> <li>Two internal antennas with 2 dBi for 2.4 GHz</li> <li>Two internal antennas with 2 dBi for 5 GHz</li> </ul>					
Wireless Module Parameters						
Standards	• IEEE 802.11a/b/g/n/ac <sup>1</sup>					
Wireless Frequency Range	<ul> <li>2.4 GHz: 2.4 GHz to 2.4835 GHz</li> <li>5 GHz: 5.15 GHz to 5.825 GHz <sup>2</sup></li> </ul>					
Wireless Security	•       WPA-Personal/Enterprise       •       MAC address access control         •       WPA2-Personal/Enterprise       •       Network Access Protection (NAP)         •       64/128-bit WEP encryption       •       Internal RADIUS server         •       AES and TKIP       •       Captive Portal Authentication         •       SSID broadcast disable       •       Captive Portal Authentication					
Wireless speed	<ul> <li>802.11a: 6, 9, 12, 18, 24, 36, 48 and 54 Mbit/s</li> <li>802.11b: 1, 2, 5.5 and 11 Mbit/s</li> <li>802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbit/s</li> <li>802.11n: 6.5 ~ 300 Mbit/s</li> <li>802.11ac: 6.5 ~ 867 Mbit/s</li> </ul>					



### DAP-2620 Wireless AC1200 Wave 2 Dual-Band PoE Access Point

Transmitter Output Power*	<ul> <li>IEEE 802.11a:</li> </ul>			
	20 dBm at 6 Mbit/s			
* The maximum value of the	20 dBm at 9 Mbit/s			
transmitter output nower depends	20 dBm at 12 Mbit/s			
	20 dBm at 12 Mbit/s			
upon the radio frequency	20 dBm at 24 Mbit/s			
regulations applied in your country	20 dBm at 24 Mbit/s			
	20 dBm at 36 Mblt/s			
	18 dBm at 48 Mbit/s			
	18 dBm at 54 Mbit/s			
	<ul> <li>IEEE 802.11b:</li> </ul>			
	20 dBm at 1, 2, 5,5, 11 Mb	t/s		
	<ul> <li>IEEE 802 11a</li> </ul>			
	20 dBm at 6 Mbit/s			
	20 dBm at 0 Mbit/s			
	20 dBm at 12 Mbit/s			
	20 dBm at 12 Mbit/s			
	18 dBm at 24 Mblt/s			
	18 dBm at 36 Mbit/s			
	16 dBm at 48 Mbit/s			
	16 dBm at 54 Mbit/s			
	<ul> <li>IEEE 802.11n:</li> </ul>			
	2.4 GHz/HT-20:	2.4 GHz/HT-40:	5 GHz/HT-20:	5 GHz/HT-40:
	20 dBm at MCS0	16 dBm at MCS0	20 dBm at MCS0	19 dBm at MCS0
	20 dBm at MCS1	16 dBm at MCS1	20 dBm at MCS1	19 dBm at MCS1
	20 dBm at MCS2	16 dBm at MCS2	20 dBm at MCS2	19 dBm at MCS2
	20 dBm at MCS3	16 dBm at MCS3	20 dBm at MCS3	19 dBm at MCS3
	18 dBm at MCS3	15 dBm at MCS3	20 dBm at MCS4	10 dBm at MCS3
	18 dBm at MCS4	15 dBm at MCS4	10 dDm at MCS4	19 dBm at MCS4
		15 dBm at MCS5	18 dBm at MCS5	
	16 dBm at MCS6	14 dBm at MCS6	18 dBm at MCS6	18 dBm at MCS6
	15 dBm at MCS7	14 dBm at MCS7	17 dBm at MCS7	17 dBm at MCS7
	• IEEE 802.11ac:		1	
	VHT20	VHT40	VHT80	
	20 dBm at MCS0	19 dBm at MCS0	19 dBm at MCS0	
	20 dBm at MCS1	19 dBm at MCS1	19 dBm at MCS1	
	20 dBm at MCS2	19 dBm at MCS2	19 dBm at MCS2	
	20 dBm at MCS3	19 dBm at MCS3	19 dBm at MCS3	
	20 dBm at MCS4	19 dBm at MCS4	19 dBm at MCS4	
	18 dBm at MCS5	18 dBm at MCS5	18 dBm at MCS5	
	18 dBm at MCS6	18 dBm at MCS6	18 dBm at MCS6	
	17 dBm at MCS7	17 dBm at MCS7	17 dBm at MCS7	
	16 dBm at MCS7	16 dBm at MCS9	16 dBm at MCS9	
	TO UBIT AL WC30	14 dBm at MCS0	14 dBm at MCS0	
Boosiyor Sonsitivity		14 dbin at MCC39	14 dBin at MCC3	
Receiver Sensitivity	• IEEE 602.11d.			
	-82 dBm at 9 Mblt/s			
	-79 dBm at 12 Mbit/s			
	-77 dBm at 18 Mbit/s			
	-76 dBm at 24 Mbit/s			
	-75 dBm at 36 Mbit/s			
	-73 dBm at 48 Mbit/s			
	-72 dBm at 54 Mbit/s			
	<ul> <li>IEEE 802.11b;</li> </ul>			
	-89 dBm at 2 Mbit/s			
	-84 dBm at 11 Mbit/s			
	-86 dBm at 6 Mbit/s			
	-00 dBm at 0 Mbit/s			
	-03 UDIII at 9 WiDII/S			
	-76 dBm at 16 Mbit/s			
	-77 dBm at 24 Mblt/s			
	-76 dBm at 36 Mbit/s			
	-74 dBm at 48 Mbit/s			
	-73 dBm at 54 Mbit/s			
	• <u>IEEE 802.11n:</u>			
	2.4 GHz/HT-20:	2.4 GHz/HT-40:	5 GHz/HT-20:	5 GHz/HT-40:
	-84 dBm at MCS0	-82 dBm at MCS0	-83 dBm at MCS0	-81 dBm at MCS0
	-83 dBm at MCS1	-80 dBm at MCS1	-82 dBm at MCS1	-79 dBm at MCS1
	-82 dBm at MCS2	-79 dBm at MCS2	-81 dBm at MCS2	-78 dBm at MCS2
	-78 dBm at MCS3	-75 dBm at MCS3	-77 dBm at MCS3	-74 dBm at MCS3
	-76 dBm at MCS4	-73 dBm at MCS4	-75 dBm at MCS4	-72 dBm at MCS4
	-72 dBm at MCS5	-69 dBm at MCS5	-71 dBm at MCS5	-68 dBm at MCS5
	-71 dBm at MCS6	-68 dBm at MCS6	-70 dBm at MCS6	-67 dBm at MCS6
	-70 dBm at MCS7	-67 dBm at MCS7	-69 dBm at MCS7	-66 dBm at MCS7



### DAP-2620 Wireless AC1200 Wave 2 Dual-Band PoE Access Point

	1					
		VHT20 -83 dBm at MCS0 -82 dBm at MCS1 -81 dBm at MCS2 -77 dBm at MCS3 -75 dBm at MCS4 -71 dBm at MCS5 -70 dBm at MCS6 -69 dBm at MCS7 -64 dBm at MCS8 -62 dBm at MCS9	VHT40 -81 dBm at MCS0 -79 dBm at MCS1 -78 dBm at MCS2 -74 dBm at MCS3 -72 dBm at MCS4 -68 dBm at MCS5 -67 dBm at MCS6 -66 dBm at MCS7 -61 dBm at MCS8 -59 dBm at MCS9	VHT80 -79 dBm -76 dBm -75 dBm -69 dBm -65 dBm -63 dBm -63 dBm -58 dBm	at MCS0 at MCS1 at MCS2 at MCS3 at MCS4 at MCS5 at MCS6 at MCS7 at MCS8 at MCS9	
Functionality						
Network Management	•	Web interface (HTTP/HTTPS) Secure Telnet (SSH) Telnet		•	Traffic contro Nuclias Con	bl hect
Operating Modes	•	Access Point WDS		•	WDS with Al Wireless Clie	o ent
Supported Features	• • • •	Quality of Service (QoS) Multi-SSID VLAN Wireless intrusion Internal RADIUS server Band Steering		• • •	ARP Spoofing Prevention Bandwidth Optimization DHCP Server MAC address access control	
Standards	•	IEEE 802.3u IEEE 802.3ab		•	IEEE 802.3a IEEE 802.3a	z Energy-Efficient Ethernet (EEE) f Power over Ethernet
Physical Parameters						
Weight	•	212 g (without mounting	g base)			
Dimensions (L x W x H)	•	153.5 x 94.65 x 35.8 m	m			
Operation Conditions						
Power Supply	•	IEEE 802.3af PoE				
Max Power Consumption	•	8 W				
Temperature	•	Operating: 0° to 40°C Storage: -20° to 65°C				
Humidity	•	Operating: 10% to 90% Storage: 5% to 95% (N	o (Non-condensing) on-condensing)			
Package Contents						
<ul> <li>DAP-2620 Access Point</li> <li>Wall mounting bracket</li> <li>Quick Installation Guide</li> </ul>						
Other						
Certifications	•	FCC CE				





<sup>1</sup> Maximum wireless signal rate derived from IEEE standard 802.11 and 802.11ac specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials, construction, and network overhead may lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

<sup>2</sup> Please note that operating frequency ranges vary depending on the regulations of individual countries and jurisdictions. The DAP-2620 may not support the 5.25 - 5.35 GHz and 5.47 - 5.725 GHz frequency ranges in certain regions.

Updated 05/05/2025



Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation/D-Link System Inc. All other trademarks belong to their respective owners.