

Product Highlights

SEVERAL OPERATION MODES

Access point/router

802.11N

High connection rate
(up to 300Mbps)
and superior wireless range

SECURITY

Multiple firewall functions,
several security standards for
wireless connection

IPV6 SUPPORT

All needed functions
for up-to-date networking



DAP-300P

Wireless N300 PoE Access Point / Router

Wireless Interface

Using the DAP-300P device, you are able to quickly create a wireless network at home or in your office, which lets computers and mobile devices access it virtually anywhere (within the operational range of your wireless network). The access point can operate as a base station for connecting wireless devices of the standards 802.11b, 802.11g, and 802.11n (at the rate up to 300Mbps).

Secure Wireless Connection

The device supports multiple functions for the wireless interface: several security standards (WEP, WPA/WPA2), MAC address filtering, different operation modes (access point, router, client), WPS, WMM.

Advanced Capabilities of Wireless Network

Support of guest Wi-Fi network in the router mode allows you to create a separate wireless network with individual security settings. Devices connected to the guest network will be able to access the Internet, but will be isolated from the devices and resources of the access point's LAN.

WAN Port with PoE Support

The access point is equipped with a WAN port with Power over Ethernet (PoE) support which allows to use one Ethernet cable for data and power transfer. In the access point mode, the port with PoE support is used as a LAN port.

Several Operation Modes

In the access point mode, you are able to use DAP-300P to create a wireless network or to connect to a wired router. In the router mode, you are able to connect DAP-300P to a cable or DSL modem or to a private Ethernet line and use a high-speed Internet connection to successfully fulfill a wide range of professional tasks.

The "client" function is available in both modes and allows using DAP-300P as a wireless client and a wireless repeater in the access point mode and as a WISP repeater in the router mode.

Easy configuration and update

You can configure the settings of the DAP-300P device via the user-friendly web-based interface (the interface is available in several languages).

The configuration wizard allows you to connect DAP-300P to a wired or wireless ISP (when switched to the router mode) in several simple steps or quickly set needed parameters for operation as an access point, repeater, or client (when switched to the access point mode).

You can simply update the firmware: when the Internet access is provided, the access point itself finds approved firmware on D-Link update server and notifies when ready to install it.

Hardware	
Processor	<ul style="list-style-type: none"> MT7628DAN (580MHz)
RAM	<ul style="list-style-type: none"> 64MB, built in processor
Flash	<ul style="list-style-type: none"> 8MB, SPI
Interfaces	<ul style="list-style-type: none"> 10/100BASE-TX WAN port with PoE support 10/100BASE-TX LAN port
LEDs	<ul style="list-style-type: none"> POWER / WLAN INTERNET LAN
Buttons	<ul style="list-style-type: none"> RESET button to restore factory default settings
Antenna	<ul style="list-style-type: none"> Two internal antennas (3dBi gain)
MIMO	<ul style="list-style-type: none"> 2 x 2
Power connector	<ul style="list-style-type: none"> Power input connector (12V DC, 0.5A)

Software	
Operation Modes	<ul style="list-style-type: none"> Access point Router
WAN connection types	<ul style="list-style-type: none"> PPPoE IPv6 PPPoE PPPoE Dual Stack Static IPv4 / Dynamic IPv4 Static IPv6 / Dynamic IPv6 PPPoE + Static IP (PPPoE Dual Access) PPPoE + Dynamic IP (PPPoE Dual Access) PPTP/L2TP + Static IP PPTP/L2TP + Dynamic IP
Network functions	<ul style="list-style-type: none"> Support of IEEE 802.1X for Internet connection DHCP server/relay Advanced configuration of built-in DHCP server Stateful/Stateless mode for IPv6 address assignment, IPv6 prefix delegation Automatic obtainment of LAN IP address (for access point/repeater/client modes) DNS relay Dynamic DNS Static IPv4/IPv6 routing IGMP Proxy RIP Support of UPnP IGD Support of VLAN WAN ping respond Support of SIP ALG Support of RTSP WAN failover Autonegotiation of speed, duplex mode, and flow control / Manual speed and duplex mode setup for each Ethernet port Built-in UDPXY application
Firewall functions	<ul style="list-style-type: none"> Network Address Translation (NAT) Stateful Packet Inspection (SPI) IPv4/IPv6 filter MAC filter URL filter DMZ Virtual servers
VPN	<ul style="list-style-type: none"> IPsec/PPTP/L2TP/PPPoE pass-through PPTP/L2TP tunnels

Software	
Management and monitoring	<ul style="list-style-type: none"> • Local and remote access to settings through TELNET/WEB (HTTP/HTTPS) • Multilingual web-based interface for configuration and management • Notification on connection problems and auto redirect to settings • Firmware update via web-based interface • Automatic notification on new firmware version • Saving/restoring configuration to/from file • Support of logging to remote host • Automatic synchronization of system time with NTP server and manual time/date setup • Ping utility • Traceroute utility • TR-069 client • Automatic reboot on schedule

Wireless Module Parameters	
Standards	<ul style="list-style-type: none"> • IEEE 802.11b/g/n
Frequency range <i>The frequency range depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> • 2400 ~ 2483.5MHz
Wireless connection security	<ul style="list-style-type: none"> • WEP • WPA/WPA2 (Personal/Enterprise) • MAC filter • WPS (PBC/PIN)
Advanced functions	<ul style="list-style-type: none"> • "Client" function (access point mode) Wireless network client Wireless network repeater • "Client" function (router mode) WISP repeater • WMM (Wi-Fi QoS) • Information on connected Wi-Fi clients • Advanced settings • Guest Wi-Fi / support of MBSSID • Periodic scan of channels, automatic switch to least loaded channel • Autonegotiation of channel bandwidth in accordance with environment conditions (20/40 Coexistence) • Support of STBC
Wireless connection rate	<ul style="list-style-type: none"> • IEEE 802.11b: 1, 2, 5.5, and 11Mbps • IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps • IEEE 802.11n: from 6.5 to 300Mbps (from MCS0 to MCS15)
Transmitter output power <i>The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> • 802.11b (typical at room temperature 25 °C) 17dBm at 1, 11Mbps • 802.11g (typical at room temperature 25 °C) 17dBm at 6, 54Mbps • 802.11n (typical at room temperature 25 °C) 17dBm at MCS0~6/8~14 16dBm at MCS7/15

Wireless Module Parameters	
Receiver sensitivity	<ul style="list-style-type: none"> 802.11b (typical at PER = 8% (1000-byte PDUs)) <ul style="list-style-type: none"> -90dBm at 1Mbps -90dBm at 2Mbps -88dBm at 5.5Mbps -86dBm at 11Mbps 802.11g (typical at PER < 10% (1000-byte PDUs)) <ul style="list-style-type: none"> -82dBm at 6Mbps -81dBm at 9Mbps -79dBm at 12Mbps -77dBm at 18Mbps -74dBm at 24Mbps -70dBm at 36Mbps -66dBm at 48Mbps -65dBm at 54Mbps 802.11n (typical at PER = 10% (1000-byte PDUs)) <ul style="list-style-type: none"> HT20 <ul style="list-style-type: none"> -82dBm at MCS0/8 -79dBm at MCS1/9 -77dBm at MCS2/10 -74dBm at MCS3/11 -70dBm at MCS4/12 -66dBm at MCS5/13 -65dBm at MCS6/14 -64dBm at MCS7/15 HT40 <ul style="list-style-type: none"> -79dBm at MCS0/8 -76dBm at MCS1/9 -74dBm at MCS2/10 -71dBm at MCS3/11 -67dBm at MCS4/12 -63dBm at MCS5/13 -62dBm at MCS6/14 -61dBm at MCS7/15
Modulation schemes	<ul style="list-style-type: none"> 802.11b: DQPSK, DBPSK, DSSS, CCK 802.11g: BPSK, QPSK, 16QAM, 64QAM with OFDM 802.11n: BPSK, QPSK, 16QAM, 64QAM with OFDM (HT20 and HT40)

Physical Parameters	
Dimensions	<ul style="list-style-type: none"> 213 x 213 x 38 mm (8 x 8 x 1.5 in)

Operating Environment	
Power	<ul style="list-style-type: none"> External DC power adapter 12V/0.5A (not included in the delivery package) PoE: 802.3af (8W), 48V/0.5A
Temperature	<ul style="list-style-type: none"> Operating: from 0 to 40 °C Storage: from -20 to 65 °C
Humidity	<ul style="list-style-type: none"> Operating: from 10% to 90% (non-condensing) Storage: from 5% to 95% (non-condensing)

Delivery Package	
	<ul style="list-style-type: none"> Access point DAP-300P Wall mounting bracket with mounting kit "Quick Installation Guide" (brochure)