# DATA SHEET

Code: CUDY-M1800/2

## WHOLE HOME WI-FI SYSTEM **CUDY-M1800/2** Wi-Fi 6, 2.4 GHz, 5 GHz, 574 Mbps + 1201 Mbps

The CUDY-M1800/2 access point broadcasts 2 separate wireless networks in the 5 GHz band with speed 1201 Mb/s and in the 2.4 GHz band with speed 574 Mb/s. Simple tasks such as sending e-mails or web browsing can be handled by the 2.4 GHz band while bandwidth intensive tasks like online gaming or HD video streaming can be processed by the 5 GHz band – all at the same time.

Main applications include Internet accesses in small and medium size businesses, SOHO, and homes. Thanks to the advanced Whole Home Mesh technology, devices are automatically switched when moving around the house.

Supports 802.11ax standard - the next generation of Wi-Fi. The high performance of the Wi-Fi 6 ensures more connected devices and faster speeds.




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| **Number of devices included:** | 2 pcs |
| Frequency range: | 2.4 GHz, 5 GHz , |
| Antenna type: | 4 x Omnidirectional antenna - embedded |
| Standards: | IEEE 802.11ax/n/b/g @ 2.4 GHz ,<br>IEEE 802.11ax/ac/n/a @ 5 GHz |
| Baud rates: | 574 Mbps + 1201 Mbps |
| LAN ports: | 1 x 10/100/1000 Mbps - WAN<br>1 x 10/100/1000 Mbps - LAN |
| LED indicators: | Power / System, Link/Act |
| DDNS: | ✔ |
| DHCP server: | ✔ |
| Firmware update: | ✔ |
| Protections: | WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPA3 |

DELTA-OPTI Monika Matysiak; https://www.delta.poznan.pl
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

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| Management interface: | Web browser |
| Operation modes: | • Router,<br>• AP,<br>• Range Extender,<br>• WISP |
| Transmitter power: | < 20 dBm @ 2.4 GHz<br>< 23 dBm @ 5 GHz |
| Power supply: | 12 V DC / 1.5 A (power adapter included) |
| Main features: | • Support for CUDY Whole Home Mesh technology<br>• Wi-Fi 6 support - a standard that offers higher speeds, better performance in high-traffic environments<br>• Beamforming (TxBF) - technology that allows to create a beam of radio waves in order to improve the quality of connection with client devices located further away from the signal source<br>• MU-MIMO - a multi-antenna transmission function that allows to increase the bandwidth and reliability of connection with the client of the network<br>• Pairing button<br>• RESET button<br>• WMM (Wi-Fi Multimedia)<br>• WAN : Fixed, or dynamic IP address, PPPoE<br>• DHCP : DHCP server, DHCP client list, address reservation<br>• Guest Network - a separate and secure network for guests<br>• NAT : Port forwarding, Port Triggering, UPnP, DMZ<br>• VPN networks: PPTP, L2TP, OpenVPN, WireGuard, IPSec, Zerotier<br>• Access control<br>• parental control<br>• Remote management<br>• VLAN<br>• IPTV compliance<br>• IPv6 compliance<br>• Supports max. 100 devices<br>• Indoor coverage area : 370 m² |
| Operation temp: | 0 °C ... 40 °C |
| Permissible relative humidity: | max. 85 % (non-condensing) |
| Weight: | 0.42 kg |
| Dimensions: | Ø 110  x 155 mm |
| Manufacturer / Brand: | CUDY |
| Guarantee: | 2 years |

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POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60