

# Dream Machine Special Edition

All-in-one router and security gateway with an integrated PoE switch and network video recorder.

The Dream Machine Special Edition (UDM SE) is an enterprise-grade UniFi OS Console capable of helping home and business owners alike seamlessly scale and manage their networks with high-speed, dual-WAN connectivity (10G SFP+ and 2.5GbE RJ45 ports), a Gigabit, PoE switch, and a network video recorder (NVR) with 128 GB of internal storage. Powered by UniFi OS, the UDM SE gives you full control of all your UniFi devices, including access points, Protect cameras, Talk phones, and Access readers. It's also a future-proof console since it will be able to run all upcoming UniFi OS applications. Engineered for end-to-end simplicity, the UDM SE features an integrated Bluetooth radio that streamlines the initial setup and configuration process, which can be completed in minutes with the UniFi Network application (web or mobile).



## Mechanical

|                     |   |
|---------------------|---|
| Dimensions          | 442.4 x 43.7 x 285.6 mm (17.42 x 1.72 x 11.24") |
| Weight              | 4.95 kg (10.91 lb)                              |
| Enclosure materials | Aluminium CNC, SGCC steel                       |
| Mount material      | SGCC steel rack mount                           |

## Hardware

|   |   |
|---|---|
| Processor                                     | Quad-Core ARM® Cortex®-A57 at 1.7 GHz   |
| System memory                                 | 4 GB DDR4   |
| On-board storage                              | 16 GB eMMC<br>Integrated 128 GB SSD   |
| IDS/IPS throughput                            | 3.5 Gbps*<br><small>*Measured with iPerf3</small>   |
| Max. power consumption (excluding PoE output) | 50W   |
| Power method                                  | (1) Universal AC input, 100-240VAC, 4.4A Max, 50/60 Hz<br>(1) USP-RPS DC input, 52VDC, 3.94A              |
| Power supply                                  | AC/DC, Internal, 240W   |
| Supported voltage range                       | 100 to 240VAC   |
| Management interfaces                         | Ethernet<br>Bluetooth   |
| Networking interfaces                         | (1) WAN: 2.5 GbE RJ45 port<br>(8) LAN: 1 GbE RJ45 ports   |
| SFP+ interfaces                               | (1) WAN: 10G SFP+<br>(1) LAN: 10G SFP+  |
| PoE interfaces                                | (2) PoE+ IEEE 802.3at (pair A 1, 2+; 3, 6-)<br>(6) PoE IEEE 802.3af (pair A 1, 2+; 3, 6-)                 |
| Max. PoE wattage per port by PSE 802.3af      | 15.4W   |
| Max. PoE wattage per port by PSE 802.3at      | 30W   |
| Voltage range 802.3af mode                    | 44 to 57V   |
| Voltage range 802.3at mode                    | 50 to 57V   |
| ESD/EMP protection                            | Air: ± 15 kV, contact: ± 8 kV   |
| LCM display                                   | (1) 1.3" touchscreen<br>Bootup animation: bootup in progress<br>Firmware upgrade icon: firmware upgrading |
| Button  | Factory reset   |



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|                       |                             |
|-----------------------|-----------------------------|
| Operating temperature | -10 to 40° C (14 to 104° F) |
| Operating humidity    | 5 - 95% noncondensing       |
| Certifications        | CE, FCC, IC                 |

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## LEDs

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|          |   |
|----------|---|
| Ethernet | White: link/activity                      |
| SFP+     | White: link/activity                      |
| HDD      | White: disk activity<br>Amber: disk error |
| RPS      | Blue: ready                               |

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