



NDQ2300

5G NR Fixed Wireless Access Dongle

Askey NDQ2300 is designed for enterprises requiring rapid, hassle-free 5G deployment. Its support for 5G NR (New Radio) Sub-6GHz — the global standard for next-generation wireless connectivity — delivers superior speed, reliability, and efficiency. Mission-critical applications such as autonomous vehicles and industrial automation benefit from its ultra-reliable low-latency communications, ensuring seamless performance where precision and responsiveness are paramount. Compared to reduced-capacity alternatives, NDQ2300 offers uncompromised connectivity for demanding enterprise environments.

Designed for seamless plug-and-play integration, this device features a physical SIM and dual USB Type-C interface ports for effortless connectivity. Its advanced USB power pass-through functionality enables power sourcing directly from a USB host or an external source, ensuring unmatched flexibility across diverse deployment scenarios. Ideal for trade shows, outdoor events, temporary retail setups, worksites, and first responders, it delivers reliable, high-speed access when and where it's needed most. As a cost-effective part of Askey's end-to-end 5G portfolio, its low-latency 5G connectivity supports edge computing for IoT applications in manufacturing, healthcare, and logistics, empowering industries with real-time data processing and enhanced operational efficiency.

Askey helps you **evolve** your business to meet today's market speed and demands, backed by our market **knowledge** to make you **stronger**.

For more information, please visit [Askey/5G FWA](#)

Hardware

- Modem Chip:
Qualcomm Snapdragon® SDX62
- I/O Ports:
 - 2 x USB Type C ports,
Data & Power Pass-Through
 - 1 x nano SIM Slot 4FF
- LEDs (system ,network, charging)
- Push button to enable/disable
USB power pass-through
- Power Input:
5V +/-5%
- GNSS L1

Environmental

- Operating Temperature:
0°C~ 40°C
- Operating Humidity:
5% ~ 90% non-condensing

Box Contents

- NDQ2300 Dongle
- USB type C power & data cable
- Quick Start Guide

Software

- Local Web GUI Management
- IPv4/IPv6/IPv4v6
- FOTA
- SMS Inbox, Outbox, Drafts
- SIM/APN Management
- TR069/TR181

5G NR & LTE

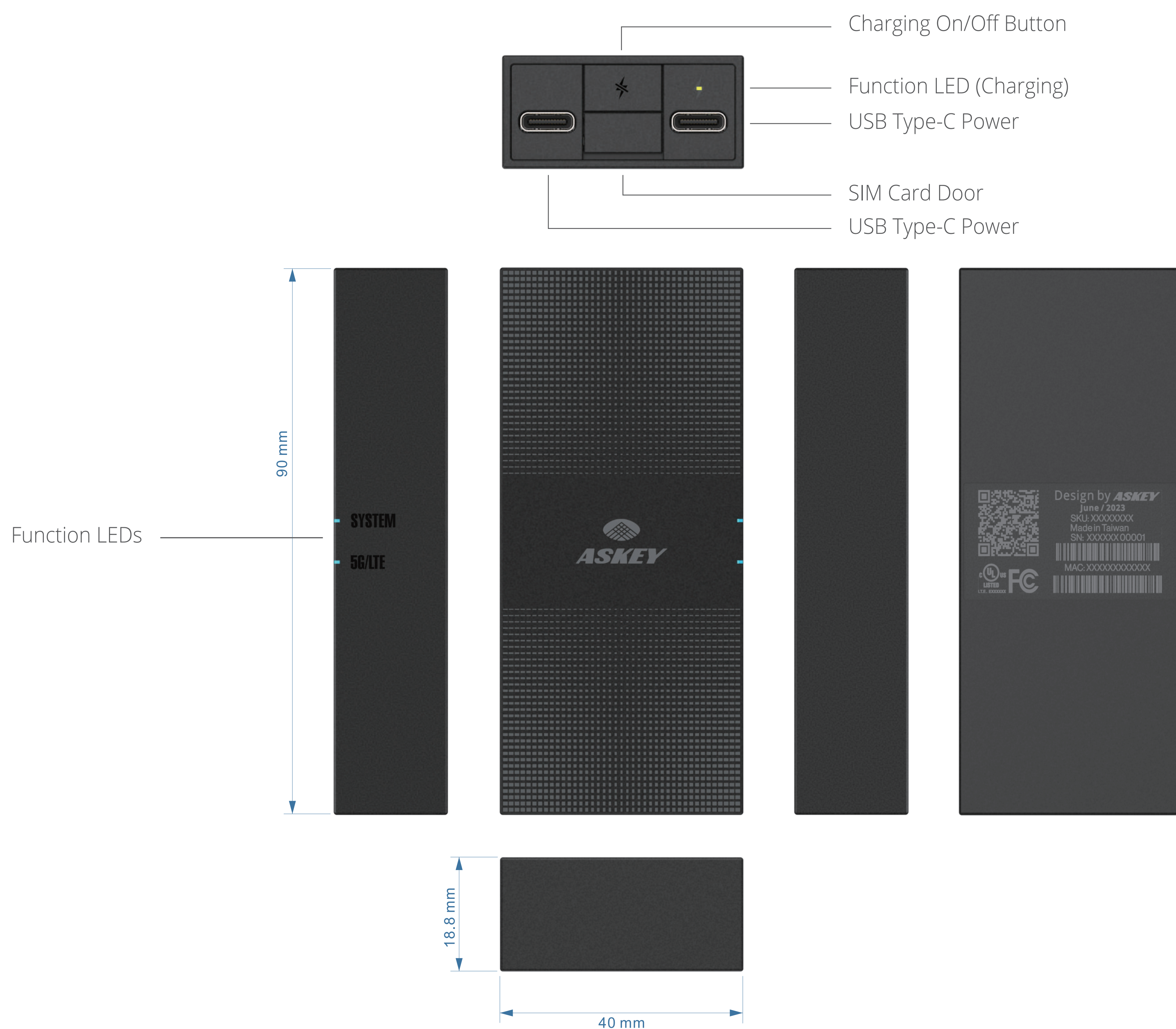
- 3GPP Release 16
- 5G NR core network Option 3X,
3A and Option 2
- LTE Category DL Cat-19/UL Cat-18
- LTE and 5G NR Sub-6 bands
- NRCA up to 2CC (TDD 120MHz/FDD 60MHz)
- LTE and 5G NR EN-DC
- MIMO DL 5G & LTE 4x4; UL 5G 2x2 (TDD only)
- Modulation up to DL 256 QAM/UL 256 QAM
- Duplex mode FDD, TDD
- SRS antenna switch function (TDD only)
- 5G SA and NSA, LTE-FDD and LTE-TDD

Enterprise Use Cases

- Smart Buildings
- Manufacturing / Warehouse
- Healthcare
- Events/Trade Shows/Pop-Up Retail Stores
- Remote Workstations
- Disaster Recovery/First Responders

Model Numbers (SKU)

- Model Name: NDQ2300
SKU1: 8086-00050P



Askey International Corporation

4017 Clipper Court, Fremont CA 94538, U.S.A.

www.askey.com

sales@askey.com.tw

Rev. 06/2025