

# Network Tester 2 RedCap

TECHNICAL DATA SHEET

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 +49 40 35 73 20 65

 [vertrieb@enqt.de](mailto:vertrieb@enqt.de)

## Description:

The **Network Tester 2 RedCap** is a professional device used to analyze and evaluate mobile networks. It supports 4G (LTE) and 5G networks in Stand Alone (SA) and Reduced Capability (RedCap) modes, enabling the testing of modern public networks.

The Network Tester 2 RedCap reliably records key network parameters, including signal strength, network availability, and connection quality. Thanks to its robust hardware and specially developed software, it delivers reliable and repeatable measurement results even in demanding environments. Its user-friendly interface makes carrying out measurements and analyses easy. This device provides a solid basis for technical decisions and targeted installation optimization.

## Technical details:

<b>Technology</b>	5G SA, 5G RedCap SA operation, 4G/LTE
<b>Frequency Bands Cellular Networks</b>	4G (LTE) FDD: B1 / 2 / 3 / 4 / 5 / 7 / 8 / 12 / 13 / 14 / 17 / 18 / 19 / 20 / 25 / 26 / 28 / 30 / 66 / 70 / 71 4G (LTE) TDD: B34 / 38 / 39 / 40 / 41 / 42 / 43 / 48 5G SA / RedCap: n1 / 2 / 3 / 5 / 7 / 8 / 12 / 13 / 14 / 18 / 20 / 25 / 26 / 28 / 30 / 38 / 40 / 41 / 48 / 66 / 70 / 71 / 77 / 78 / 79
<b>SIM card<sup>1</sup></b>	<ul style="list-style-type: none"><li>- Built-in SIM card supporting selected public 4G networks (in Germany: Telekom, Vodafone, and Telefónica as well as various European networks)</li><li>- Tests of 5G SA networks possible when using own SIM card</li> <li>- Additional 2 externally accessible SIM card slots supporting Nano (4FF) format SIM cards</li></ul>
<b>Features Cellular Networks<sup>2</sup></b>	<ul style="list-style-type: none"><li>- Active test of usable cellular networks</li><li>- Continuous live measurement of a selected cellular network</li><li>- Display of signal level/signal quality (RSRP/RSSI/RSRQ in dBm/dB)</li><li>- Measurement of latency/RTT (ms)</li><li>- Measurement throughput (bit/s)</li><li>- Display of technical network parameters (e.g. cell ID)</li><li>- Configurable restriction of network technologies and frequency bands</li><li>- Display of usable mobile networks separately for each frequency band</li><li>- Creation of configuration profiles</li></ul>
<b>Measurement data export<sup>2</sup></b>	<ul style="list-style-type: none"><li>- Local CSV export via built-in WiFi hotspot</li><li>- Automatic upload to TMate portal</li></ul>
<b>Antenna connectors</b>	2× SMA
<b>Display</b>	3.5" TFT color touch screen (45 mm × 75 mm, 480 × 800 pixel)
<b>Internal Battery</b>	Li-Ion, 3,500 mAh, up to 8 hours battery life
<b>Charging port</b>	USB C, 5V (DCP) USB-PD supported (up to 20V, up to 2A)
<b>Conformity</b>	CE, ROHS, WEEE

<b>Dimensions</b>	170 x 96 x 35 mm
<b>Weight</b>	362 g
<b>Country of origin</b>	Germany
<b>HS Code</b>	90304000
<b>Part number</b>	1052 (without service agreement) 1051 (with service agreement „plus“) 1050 (with service agreement „max“)

Notes:

- > <sup>1</sup> The integrated SIM enables testing of public 4G networks. An additional external SIM card is required for testing 5G networks.
- > <sup>2</sup> The available features may vary depending on selected service contract.
- > The values stated under 'Dimensions' refer to the main device without antennas.

**Scope of delivery:**

- > Netztester 2 RedCap
- > 2 connector mount antennas
- > Protective carrying case
- > Power supply unit
- > USB-C cable
- > SMA-FAKRA adapter
- > Stylus (Touch pen)
- > SIM tool