

Network Tester 2 IoT

TECHNICAL DATA SHEET

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Description:

The **Network Tester 2 IoT** is a professional measuring device for analyzing and evaluating of modern IoT mobile networks. It supports the standards NB-IoT 1 / NB-IoT 2, LTE Cat. M1 and 2G/GSM, making it ideal for use in Internet of Things (IoT) and machine-to-machine (M2M) applications. It precisely records key network parameters, including signal strength, network availability, and connection quality. The Network Tester 2 IoT delivers reliable and repeatable measurement results—even in demanding environments—thanks to robust hardware and custom software. The user-friendly interface makes it much easier to carry out measurements and analyses. The Network Tester 2 IoT is the ideal basis for the professional testing, installation, and maintenance of cellular radio-based IoT solutions.

Technical details:

Technology	NB-IoT 1/NB-IoT 2, LTE Cat. M1, 2G/GSM
Frequency Bands Cellular Networks	NB1/NB2: B1 / 2 / 3 / 4 / 5 / 8 / 12 / 13 / 18 / 19 / 20 / 25 / 28 / 66 / 71 / 85 M1: B1 / 2 / 3 / 4 / 5 / 8 / 12 / 13 / 18 / 19 / 20 / 25 / 26 / 27 / 28 / 66 / 85 2G: 850 / 900 / 1800 / 1900 MHz
SIM card	<ul style="list-style-type: none">- Built-in SIM card supporting selected public 2G and 4G networks (technology: LTE Cat. 1 and NB-IoT 1/NB-IoT 2) (in Germany: Telekom, Vodafone, and Telefónica and more than 60 IoT-networks worldwide)- Additional 2 externally accessible SIM card slots supporting Nano (4FF) format SIM cards
Features Cellular Networks	<ul style="list-style-type: none">- Active test of usable cellular networks- Continuous live measurement of a selected cellular network- Display of signal level/signal quality (RSRP/RSSI/RSRQ in dBm/dB)- Measurement of latency/RTT¹ (ms)- Measurement throughput¹ (bit/s)- Display of technical network parameters (e.g. cell ID)- Configurable restriction of network technologies and frequency bands- Display of usable mobile networks separately for each frequency band- Creation of configuration profiles
Antenna connectors	1× SMA
Display	3.5" TFT color display (45 mm × 75 mm, 480 × 800 pixel)
Internal Battery	Li-Ion, 3,500 mAh, up to 8 hours battery life
Charging port	USB C, 5V (DCP) USB-PD supported (up to 20V, up to 2A)
Conformity	CE, ROHS, WEEE
Dimensions	170 x 96 x 35 mm
Weight	400 g
Country of origin	Germany

HS Code	90304000
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Part number	693 (without service agreement) 694 (with service agreement „plus“) 695 (with service agreement „max“)
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Notes:

- > ¹ The available features may vary depending on selected service contract.
- > The values stated under 'Dimensions' refer to the main device without antenna.

Scope of delivery:

- > Netztester 2 IoT
- > 1 connector mount antenna
- > Protective carrying case
- > Power supply unit
- > USB-C cable
- > SMA-FAKRA adapter
- > Stylus (Touch pen)
- > SIM tool