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INDUSTRIAL PRODUCT DATASHEET

Chelegance JNCRadio VNA 7 Inch 4.4GHz Vector Network Analyzer with Capacitive Touchscreen

Chelegance JNCRadio VNA: a 4.4GHz portable vector network analyzer with 7-inch touchscreen, TDR, and 8GB storage for antenna and RF component testing.

SKU	UPDATED	PRICE
100092748	2026-07-08 08:36:46	$399.00(Excl. VAT)



Overview



The Chelegance JNCRadio VNA is a 4.4GHz vector network analyzer with a wide 50kHz-4.4GHz frequency range and fast 400 points/s sweep, ideal for antenna matching, RF component testing, and cable verification. It features a 7-inch capacitive touchscreen, TDR function, built-in 8GB storage, and robust metal shielding with up to 4 hours of battery life.

Key Features

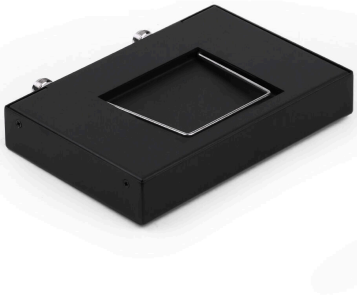
Note: The Chelegance JNCRadio VNA 4.4GHz Vector Network Analyzer requires a USB-A to USB-C cable for charging. A cable with USB-C connectors on both ends may not be compatible with the unit's charging system, which could explain the lack of response when connected.

- **50kHz - 4.4GHz Wide Frequency Range:**Covers a broad frequency spectrum from 50kHz to 4.4GHz with a fast sweep speed of 400 points/s. It is perfectly suited for testing MF/HF/VHF/UHF antennas, including Shortwave, Wi-Fi, Bluetooth, and GPS applications.
- **7-Inch High-Definition Capacitive Touchscreen:**Features a large 7-inch IPS LCD display with a resolution of 1024x600 and capacitive touch control. The bright screen ensures clear visibility even in outdoor environments, while the touch interface combined with 4 physical buttons offers intuitive operation.
- **Professional RF Performance & TDR Function:**Provides excellent dynamic range (S21 up to 70dB, S11 up to 50dB) for precise component testing. It also supports Time Domain Reflectometry (TDR) for measuring cable length and locating break points.
- **Built-in 8GB Storage & Easy Data Export:**Comes with a built-in 8GB memory card to store calibration states, .snp files, and screenshots. It functions as a virtual USB drive when connected to a PC via USB-C, allowing drag-and-drop file export without driver installation.
- **Robust Metal Shielding & Long Battery Life:**Designed with a CNC metal case to effectively shield against external electromagnetic interference. Powered by two built-in 18650 batteries (6700mAh total), it supports up to 4 hours of continuous operation and USB-C charging.

Product Gallery









Specification

Parameter	Specification	Conditions
Frequency range	50kHz ~ 4.4GHz	N/A
RF output power	-42dBm ~ -12dBm	Step size: 1dB
Connector type	N-K	N/A
RF input power	0dBm (Max)	DC < 5V
Frequency accuracy	<±1ppm	<140MHz
	<±5kHz	>140MHz
S21 dynamic range	70dB	<3GHz
	55dB	>3GHz
S11 dynamic range	50dB	<3GHz
	40dB	>3GHz
Sweep points	1001	101-1001
Sweep time	400p/s	f > 140MHz
IF bandwidth	12.5kHz (default)	6.25k/3.12k/1k/300Hz/100Hz/30Hz
Traces	7	N/A

Markers	8	N/A
Calibration Storage	12	N/A
Storage	8GB SDCard built-in	N/A
Display	7-inch IPS LCD	resolution: 1024×600
Touch Screen	Capacitive	N/A
Power consumption	5W	N/A
Battery	Built-in 2x18650	3.6V/3350mAh×2, 4 hours with 50% screen light
Charging/Data port	USB Type-C	N/A
Charging voltage	4.7V ~ 5.5V	a 5V/2A powersource is recommended
Power output	USB 5V/1A	N/A
Dimensions	190mm x 130mm x 30mm	N/A
Shell material	Iron	N/A
Weight	1.15kg	Device
	1.65kg	W/ acc and package
Operating temperature	0°C-45°C	N/A

Hardware Overview



Applications

- **Antenna Matching & Tuning**
- **RF Component Testing**
- **Cable Verification & TDR**
- **RF Circuit Design & Education**

Part List

Chelegance JNCRadio VNA 7 Inch 4.4GHz Vector Network Analyzer with Capacitive Touchscreen	×1
N-J/SMA-K ADAPTER	×2
OSL KIT	×1
SMA-K/SMA-K CONNECTOR	×2
50CM RG316 CABLE	×1
USB-TYPE-C CABLE	×1
CARRYING CASE	×1

Compliance & Logistics

HSCODE	9030409000
USHSCODE	9030400000
UPC	
EUHSCODE	9405413910
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Chelegance-JNCRadio-VNA-7-Inch-4-4GHz-Vector-Network-Analyzer-with-Capacitive-Touchscreen-p-6696.html
- Specification

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