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Data Sheet

August 13, 2026

ROHDE & SCHWARZ

Rohde & Schwarz EB200 10KHz-3GHz Miniport Receiver

Rohde & Schwarz EB200 Miniport Receiver 10 kHz to 3 GHz The R&S EB200 is a portable monitoring and surveillance miniport receiver covering 10 kHz to 3 GHz continuously. Demodulation includes AM, FM, USB, LSB, CW, Pulse, and I/Q. Digital IF offers 12 bandwidths from 150 Hz to 150 kHz (15 bandwidths to 1 MHz with IF panorama EB200SU). Level indication spans a 110 dB class dynamic range. Combined with handheld directional antenna HE200 it locates unlicensed transmitters from close to medium range. LAN (10Base-T) or RS-232 remote control also serves rack-mounted receiver roles. The R&S EB200 is a portable monitoring and surveillance miniport receiver covering 10 kHz to 3 GHz continuously. Demodulation includes AM, FM, USB, LSB, CW, Pulse, and I/Q. Digital IF offers 12 bandwidths from 150 Hz to 150 kHz (15 bandwidths to 1 MHz with IF panorama EB200SU). Level indication spans a 110 dB class dynamic range. Combined with handheld directional antenna HE200 it locates unlicensed transmitters from close to medium range. LAN (10Base-T) or RS-232 remote control also serves rack-mounted receiver roles.



MODEL

Rohde & Schwarz EB200

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

EB200

LISTING

<https://aumictechlabs.com/products/eb200-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Rohde & Schwarz EB200 is a compact, portable miniport receiver engineered for signal monitoring, interference detection, and spectrum analysis across 10 kHz to 3 GHz. Built for field deployment in demanding environments, it delivers synthesized tuning for accurate frequency selection and serves regulatory bodies, field engineers, and technical laboratories requiring precise RF measurements and spectrum management.

Technical Specifications

Frequency Range: 10 kHz to 3 GHz

Receiver Architecture: Synthesized tuning for frequency selection across the full operating band.

Form Factor: Compact, portable design optimized for mobile field applications.

Key Features

- Spectrum analysis with adjustable span, resolution bandwidth (RBW), and video bandwidth (VBW)
- Signal strength measurement in dBm and equivalent units
- Interference detection modes optimized for RF source localization
- Marker functions for identifying specific frequencies and signal levels
- Signal averaging capabilities to reduce noise and enhance weak signal visibility
- Data logging and storage for measurement archiving and reporting
- Multiple demodulation modes including AM, FM, and SSB for signal identification
- Selectable IF bandwidths to match signal types and analysis requirements

Typical Applications

- Spectrum management and radio frequency monitoring
- Electromagnetic interference (EMI) hunting and source location
- Regulatory compliance verification
- Field signal analysis and characterization
- Adjacent channel selectivity assessment in congested frequency environments

Compatibility & Integration

Antenna input connectors and RF output specifications are available through product documentation. The receiver integrates into mobile monitoring platforms and fixed laboratory setups requiring broadband signal capture and analysis.

Features & description

From manufacturer datasheet

Features

- DIGI Scan (DS) for short bursts
- Options EB200FS and EB200CM
- Ergonomic on-body operation; 4 kg (5.5 kg with battery)
- Monochrome 240 × 64 graphics with backlight
- IF output 10.7 MHz plus/minus 5 MHz

Applications

- Portable radiomonitoring and interference hunting
- Bug / mini-transmitter location with HE200
- Coverage measurements (EB200CM option)
- Frequency and memory scanning
- Remote handoff receiver on LAN

EB200 Characteristics / Specifications

PARAMETER	VALUE
Model	EB200
Manufacturer	Rohde & Schwarz
Instrument Type	Portable monitoring receiver
Alias	EB 200; EB-200; R&S EB200 Miniport
Frequency Range	10 kHz to 3 GHz
Frequency Steps	1 kHz, 100 Hz, 10 Hz, 1 Hz or selectable increments
Frequency Accuracy	less than or equal to plus/minus 1.5e-6 (minus 10 C to +55 C)
Aging	less than or equal to plus/minus 0.5e-6 per year
Synthesizer Setting Time	less than or equal to 3 ms
Oscillator Phase Noise	less than or equal to minus 100 dBc/Hz at 10 kHz offset
Antenna Input	N 50 ohm, VSWR less than or equal to 3; SMA at rear for rackmount
Oscillator Reradiation	less than or equal to minus 107 dBm
RF Attenuation	30 dB, manual or automatic
Preselection 100 kHz to 20 MHz	highpass/lowpass
Preselection 20 MHz to 1.5 GHz	tracking
Preselection 1.5 GHz to 3 GHz	highpass/lowpass
Image Rejection	greater than or equal to 70 dB, typ. 80 dB
IF Rejection	greater than or equal to 70 dB, typ. 80 dB
IP2	typically 40 dBm
IP3	typically 2 dBm
Internal Spurious	less than or equal to minus 107 dBm
Demodulation	AM, FM, USB, LSB, CW, Pulse, I/Q
IF Bandwidths	12 from 150 Hz to 150 kHz (15 to 1 MHz with EB200SU)
Squelch Range	minus 10 dB μ V to +100 dB μ V
Gain Control	AGC, MGC; IF control 80 dB

PARAMETER	VALUE
Level Display Range	minus 10 to +110 dBμV class
Triggered Level Rate	up to 2000 per second single-channel; 200 per second multichannel
Display	240 × 64 monochrome graphics, backlight
Dimensions	270 mm x 210 mm x 88 mm
Weight	4 kg (5.5 kg with battery pack)
Remote	RS232, IEC625 or LAN 10Base-T
IF Output	10.7 MHz plus/minus 5 MHz
AF and IQ Outputs	yes
Successor Note	successor to EB100; related EB150 Notes Specs from the R&S EB200 Miniport Receiver technical data sheet. Confirm HE200 antenna set, EB200SU IF panorama, FS/CM options, and battery pack. This is EB200 (10 kHz to 3 GHz), not EB100 (20 MHz to 1000 MHz).
Attenuation	30 dB, manual or automatic

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Successor Note	successor to EB100; related EB150

Notes

Specs from the R&S EB200 Miniport Receiver technical data sheet. Confirm HE200 antenna set, EB200SU IF panorama, FS/CM options, and battery pack. This is EB200 (10 kHz to 3 GHz), not EB100 (20 MHz to 1000 MHz).

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.