

R&S®FPC1000 Spectrum Analyzer

Unexpected performance in entry class



The perfect choice for

R&D & service labs

Test automation

Professionals
Hobbyists

Education & training

Key specifications

Frequency range	5 kHz to 1 GHz with upgrades up to 3 GHz
Max. input power	up to +30 dBm
Low noise floor	down to -165 dBm (typ., with preamplifier)
Phase noise	< -103 dBc/Hz (f=500 MHz, @100 kHz offset)
Connectivity	LAN, USB, Wi-Fi (optional)
Measurement options	modulation analysis, receiver mode, advanced measurements

Your benefit

Features

Investment protection	All upgrades available via keycode, no additional calibration required
More resolution for better measurements	Lowest noise floor in class down to -165 dBm (typ., with preamplifier), resolution bandwidth down to 1 Hz, 10.1" WXGA display
Flexible remote measurements	First Wi-Fi-enabled spectrum analyzer (R&S®FPC-B200 option) for wirelessly access the instrument

Outstanding performance and innovation

Investment protection

- The R&S®FPC1000 base instrument has a frequency range of 5 kHz to 1 GHz. Keycode options unlock higher frequency ranges up to 3 GHz or enable other features when required

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Class-leading RF performance

- Engineered in Germany, the R&S®FPC1000 has an extraordinarily low noise floor and high max. input power, in combination providing the best dynamic range in its class

High resolution

- High display resolution with 10.1" WXGA display and measurement bandwidth settings down to 1 Hz resolve the finest spectral details

Virtual control

- The R&S®FPC1000 supports wired Ethernet and Wi-Fi connectivity. R&S®InstrumentView for Microsoft® Windows as well as the iOS/Android App based R&S®MobileView platforms enable remote control and measurement anywhere, anytime

► For more information, visit
www.rohde-schwarz.com/catalog/FPC1000

Highlights

- ✓ Flexible upgrade concept

✓ Low noise floor

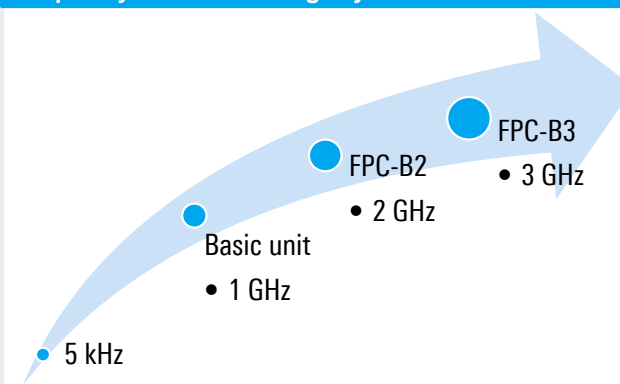
✓ High max. input power
- ✓ 10.1" display

✓ 1 Hz resolution bandwidth

✓ Easy to control

Class-leading spectrum analyzer engineered in Germany.

Frequency extension using keycodes



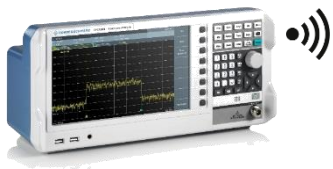
Buy what you need when you need it.

Ordering information

Base Unit	Description
R&S®FPC1000	R&S®FPC1000 spectrum analyzer, 5 kHz to 1 GHz
Option	Description
R&S®FPC-B2	Spectrum analyzer frequency upgrade, 1 GHz to 2 GHz
R&S®FPC-B3	Spectrum analyzer frequency upgrade, 2 GHz to 3 GHz
R&S®FPC-B22	Spectrum analyzer preamplifier
R&S®FPC-B200	Wi-Fi connection support
R&S®FPC-K7	Modulation analysis
R&S®FPC-K43	Receiver mode
R&S®FPC-K55	Advanced measurements
Accessories	Name
R&S®ZZA-FPC1	19" rackmount kit
R&S®HZ-15	Near field probes, 30 MHz to 3 GHz
R&S®HZ-16	Amplifier, 100 kHz to 3 GHz
R&S®RTB-Z3	Carrying case

Easy virtual control ¹⁾ – control it your way, be it wired or wirelessly

Wireless remote control with R&S®MobileView apps (available on Android and iOS)



Wired/wireless remote control with R&S®InstrumentView PC software



Flexible remote control
on demand, anywhere, anytime.

Rohde & Schwarz Representative

¹⁾ Wi-Fi feature not available in some countries due to local certification requirements.