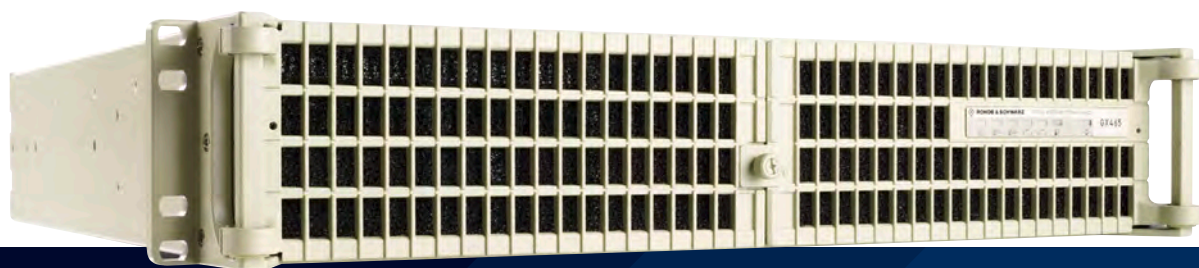


# Цифровой широкополосный накопитель GX465



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Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
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Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81

Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16

Россия (495)268-04-70

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
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Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13

Казахстан (772)734-952-31

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

# AT A GLANCE

The R&S®GX465 (AMREC) is a recording/replaying device, ideal for use in signal interception systems and in combination with the R&S®CA120 multichannel signal analysis software and most receivers and direction finders.

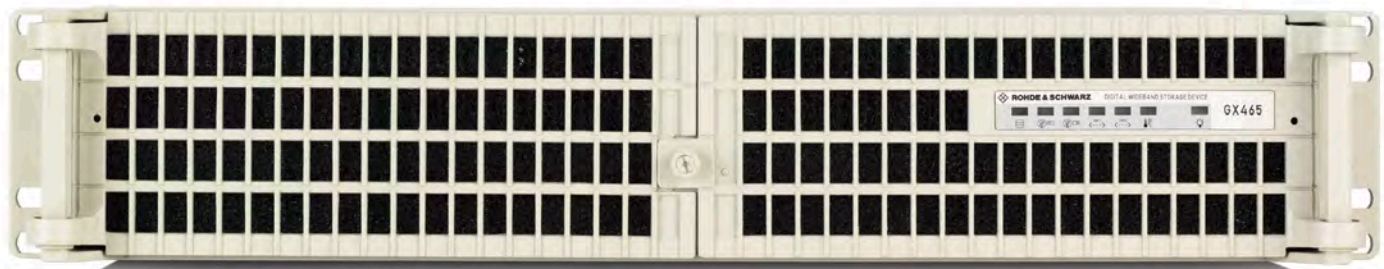
The R&S®GX465 is the ideal solution when there is insufficient time or resources for a live scenario. Recorded signals can either be replayed or exported as a file for offline analysis, e.g. with the R&S®CA210 multichannel signal analysis software or the R&S®CA100 PC-based signal analysis and signal processing software. Recordings can be controlled, and existing recordings can be selected and replayed via the R&S®RAMON radiomonitoring software.

The R&S®GX465 is equipped with solid-state drives (SSD). The storage medium is easily removed for transportation or for security reasons.

## Key facts

- ▶ Sustained data transfer rate for recording baseband I/Q data with a maximum bandwidth of 80 MHz in COMINT applications
- ▶ Recording of various data formats (I/Q, symbol, image, audio, FFT, etc.)
- ▶ Removable SSD storage packages up to 50 Tbyte
- ▶ Various recording and replaying modes such as continuous recording
- ▶ One-page spectrogram summary of recording
- ▶ Multiple recordings of various data types in parallel

Front view of the R&S®GX465



# BENEFITS AND KEY FEATURES

## Compact data recorder with removable storage medium

### Compact, 2 HU, 19" format

The R&S®GX465 is a compact digital data recording and replaying device. Its format (2 HU, 19") facilitates rack-mounting together with compact receivers, such as the R&S®ESME wideband monitoring receiver. The storage medium is simple to insert and remove, making it easy to exchange data between mobile and fixed stations.

### Recording and replaying

Depending on the configuration and the type of receiver or direction finder used, the R&S®GX465 is able to record scenarios that can be replayed later. A scenario can be replayed repeatedly (loop mode).

### Network interface

With a 1 Gbit Ethernet interface, the R&S®GX465 can be used for recording and replaying scenarios with a bandwidth of up to 10 MHz and for controlling the device. Additionally, the R&S®GX465 can be used for example with 10 Gbit Ethernet (either electrical or optical), data transfer for the R&S®ESMD/ESME wideband monitoring receiver or the R&S®DDF255/DDF260 digital direction finders. The maximum data transfer is sufficient to handle COMINT scenarios with up to 80 MHz bandwidth.

### Control interface

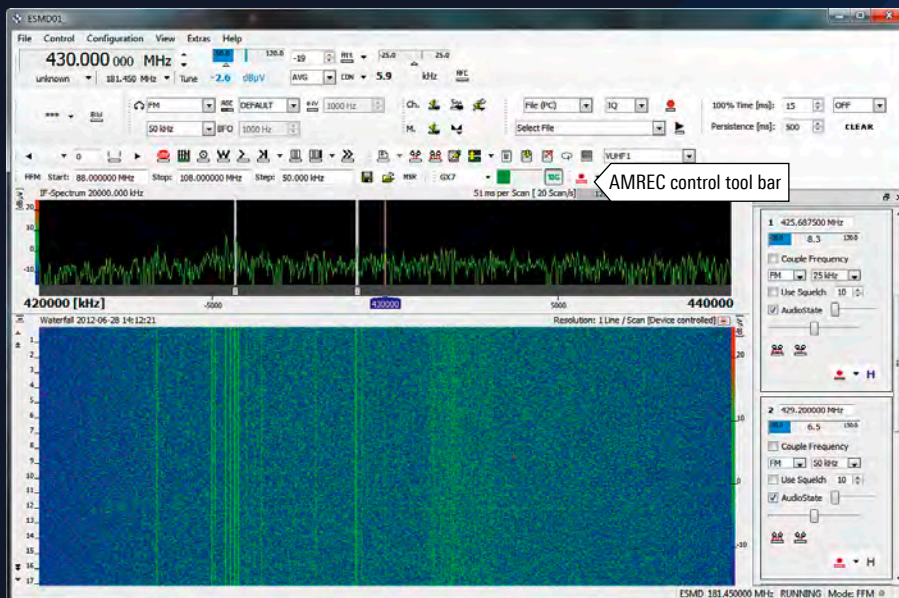
The R&S®GX465 is controlled via the 1 Gbit Ethernet interface. Control interface commands supported by the R&S®GX465 include:

- ▶ Storage status query (free/used storage space)
- ▶ Query list of recordings
- ▶ Tagging of recordings with comments
- ▶ History function for facilitating the setting of comments for recordings in relation to timestamps
- ▶ Export and import of recordings using file transfer protocol (FTP) <sup>1)</sup>
- ▶ Deleting of specific recordings
- ▶ Attachment of a write-protect tag to specific recordings
- ▶ Navigation in large recordings
- ▶ Built-in test (BIT) during power-up procedure and consistency check

### Easy-to-exchange storage medium

The R&S®GX465 uses memory packs with different storage capacity that can be easily exchanged to facilitate data interchange between stations (e.g. between mobile and fixed stations).

<sup>1)</sup> Supported by FTP commands.



IF recording/replaying control with a wideband receiver

# SYSTEM EXAMPLES

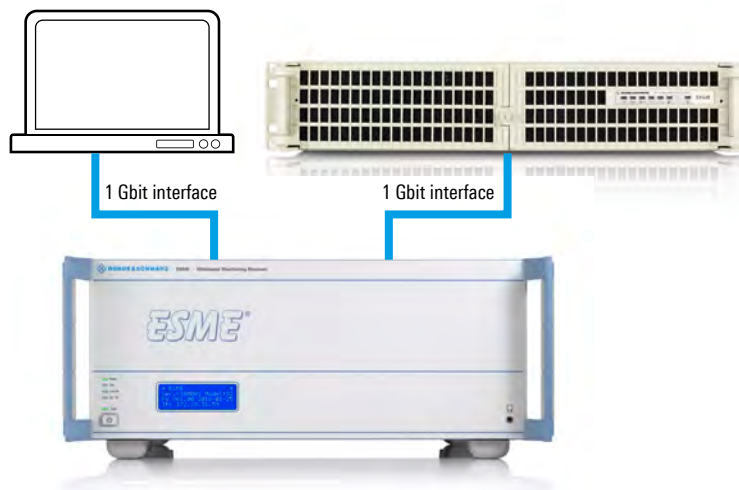
## Up to 10 MHz recording with the R&S®ESME wideband monitoring receiver and the R&S®RAMON radiomonitoring software

- ▶ Recording of scenarios with up to 10 MHz bandwidth
- ▶ 1 Gbit interface

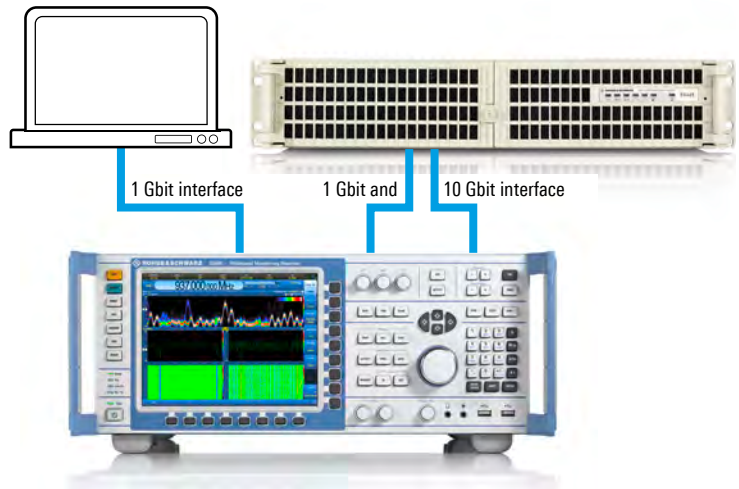
## Up to 80 MHz recording with the R&S®ESME wideband monitoring receiver

- ▶ Recording of scenarios with up to 80 MHz bandwidth
- ▶ Required R&S®ESME options
  - R&S®RX-10G
  - R&S®ESME-WB
  - R&S®ESME-ADC2

### Up to 10 MHz recording



### Up to 80 MHz recording



# ORDERING INFORMATION

Designation	Type	Order No.
<b>Base unit (delivered with accessories such as power cable, manual)</b>		
Digital wideband storage device, for recording and replaying scenarios up to 80 MHz bandwidth; R&S®RAMON basic AMREC manager software included	R&S®GX465	4100.4002.05
<b>Storage media (one package is required)</b>		
Solid-state drive, 7.68 Tbyte storage capacity	R&S®GX4-S107	4107.0460.02
Solid-state drive, 25 Tbyte storage capacity	R&S®GX4-S125	4107.0477.02
Solid-state drive, 50 Tbyte storage capacity	R&S®GX4-S150	4107.0483.02
<b>Auxiliary equipment</b>		
Copper cable QSFP+, for 10 Gbit and two transceivers, length: 5 m	R&S®GX460-CCG	4094.8635.02
Optical cable QSFP+, for 10 Gbit and two optical transceivers, length: 20 m	R&S®GX460-OCG	4094.8641.02

Rear view of the R&S®GX465



<b>Архангельск</b> (8182)63-90-72	<b>Ижевск</b> (3412)26-03-58	<b>Магнитогорск</b> (3519)55-03-13	<b>Пермь</b> (342)205-81-47	<b>Сургут</b> (3462)77-98-35
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