



The SVR-400 voice radio range, whilst fully compliant with current EIRENE specifications, can also be customised to suit specific railway operational requirements. As part of a unified GSM-R system, it provides safe and secure communications in the standard GSM-R band of 900 MHz and also in the special 1800 MHz band, between train drivers and other operational staff.



Ease of deployment with gland box system

Our SVR-400 voice radios offer the following benefits:
Considerable operational savings throughout the life of the system

- High MTBF (50,000 hours for the complete radio system; radio/textual drivers control panel/ speaker/handset/antenna/cables)
- Ease of replacement via the gland box system (15-30 minutes)
- Reduced spares holding via a single, inbuilt, wide range power supply (24 volts dc to 110 volts dc)

Ease of deployment

- Train ready installation with the gland box system
- External components do not require a separate power connection
- Single cable to the driver control panel

Driver control panel

- Smallest driver control panels available in the market
- The only 4-line text driver control panel available in the market
- A choice of graphical or textual driver control panels

Driver control panels



Dimensions (mm): 220 x 30 x 78



Dimensions (mm): 220 x 47 x 140

GSM-R trainborne voice radio

Siemens SVR-400 voice radio range

www.siemens.com/mobility

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Technical Data

Power supply

Train input power supply (Vdc) 24 – 110

Power consumption (W) 60

Environment

Storage temperature (°C) -40 to +85

Operating temperature (°C) (with forced cooling) -20 to +70

Protection IP 54

Environmental tests

Shock and vibrations EN50155, EN60068-2-6

Storage temperature EN50155

Operating temperature EN50155

Change of temperature EN60068-2-14

Air pressure EN60068-2-13

Environmental sealing EN60529

Safety EN60950

EMC EN50121-3-2

Interfaces

RF interface Coaxial N-type female

Driver control panel (max. 2) Choice of textual or graphical driver control panels

Handset

Loudspeaker, 4W, 3Ω

Public address interface UIC 568

Intercom interface UIC 568

Data interface options RS232, RS422, RS485

GSM-R frequency band 900 or 1800 Mhz

Physical dimensions

Standalone mounting (w x h x d)mm 221.0 x 132.0 x 320.0

19" rack mounting (3U) (w x h x d)mm 482.6 x 132.5 x 340.0

Weight (kg) 6.7

Reliability

Operational design lifetime 20 years

MTBF (radio rack alone) 70,000 hours

4-line text driver control panel 357,900 hours

MTTR 30 minutes

Upgrade path for older voice radio range to future proof customer investment

As a partner Siemens will always strive to provide existing customers a path of upgrade to enable seamless migration to the latest EIRENE standards. This has been achieved with our SVR-300 range.

Older SVR-300 range voice radios, like the SVR-300 and SVR-355, can now be upgraded to a SVR-400 range specification. This upgrade path offers existing customers the latest EIRENE compliance and will future proof past investment. Upgrades are designed to minimise operational impact/cost and are available as a kit of parts.



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