



China GSM-R module 8W



TRC-3RMcn

8 Watt GSM-R technology with ultra-flat design for CAB radio and CTCS-3 systems

GSM-R technology for railways

TRC-3RMcn

The module provides a slim design for GSM-R networks for all kind of rack-mounted CAB or CTCS-3 applications in China.



Technical data

Dimensions	128.5 mm	[Height, fits 3U]
	170.5 mm	[Depth]
	25.0 mm	[Width, fits 5HP]
Weight	500 g	
Supply voltage	12 Vdc	
Current consumption	@20°C	@70°C
Idle mode	74 mA	315 mA
Speech mode	380 mA	630 mA
GPRS (cl. 10)	660 mA	930 mA
Standby current	62 mA	
In-rush current	@70°C	4 A
Temperature range	-40°C to +85°C	

Interfaces

96-pin DIN 41612 backplane connector	
USB Mini B connector	[service and maintenance only]
Antenna connector A	TNC 50Ω [RX/TX]
Antenna connector B	TNC 50Ω [RX]
Display	6 status LED
Card reader	Mini-SIM

ASCI features

VGCS	[Voice Group Call Service]
VBS	[Voice Broadcast Service]
UUS1	[User-to-User Signaling type 1]
eMLPP	[enhanced Multi-Level Precedence and Preemption]

EIRENE features

FN supported	[Functional Number]
PFN supported	[Presentation Functional Number]
REC supported	[Railway Emergency Call]

Applications

The module TRC-3RMcn is designed for CAB-Radio and Data-Only-Radio applications and fits 10", 19" racks or other industrial sizes.

System / Standards

Frequency bands	China GSM-R/EGSM900/GSM1800
RF output power	Class 2 [8 W] for China GSM-R/EGSM900 Class 1 [1 W] for GSM1800
GSM Phase 2 and 2+	
Mobile station class B	
Audio	Voice triple-rate codec for HR, FR and EFR AMR for non ASCII applications supported
AT commands via serial or USB interface	

Data services

GPRS class 8	@8 Watt
GPRS class 10	@2 Watt
PBCCH supported	
Coding scheme CS 1-4	
CSD data transmission with up to 14.4 kbps	[Transparent and non transparent mode]
Fax group 3, class 2	
PPP stack for GPRS data transfer	
Protocols: PAP, CHAP	
SMS via GSM, GSM-R and GPRS	[MO, MT, CB, text and PDU mode]

Part no.

TRC-3RMcn	1288
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