

IS-C2050 Series

RS232/422/485 Serial to Quad band GSM/GPRS Terminal



The IS-C2050 Series Quad Band GSM / GPRS terminals are designed for RS232 / RS422 / RS485 communication over TCP/IP via any readily available GSM / GPRS carrier network. Overall, the IS-C2050 Series offer cost effective and time to market solutions to bridge remote M2M over diverse locations without huge investments & complex infrastructures in advance. The IS-C2050 Series are great for remote monitoring, meter reading, data acquisition and all the cable-less applications.



Key features

- ▶ Quad Band GSM / GPRS terminal
- ▶ Built-in 1M data buffer
- ▶ CCP / CCU support
- ▶ 5~32 VDC Input, DC jack power input available
- ▶ EMC / EMS / CE (IEC60950-1, IEC61000-4-5 LV1) Certification
- ▶ -40~75°C operating temperature
- ▶ Switch off protection (+90°C)
- ▶ Support relay output

Specification

General feature

Frequency range	GSM/GPRS : Quad band GSM 850/900/1800/1900 Mhz
Commend sets	Hayes 3GPP TS 27.007, TS27.005
Protocol	TCP/UDP/POP3/HTTP/FTP/SMTP

Data transmission

GPRS	Multi-slot class 12(quad band), Mobile station Class B
CSD	9.6 kbps, non-transparent. V.110
SMS	MT, MO, Cell Broadcast, Text and PDU mode
Serial port	Data bit : 5, 6, 7, 8 Stop bit : 1, 1, 5, 2 Parity : None, Even, Odd, Space, Mark Flow control: RTS / CTS, DTR / DSR. XON / XOFF Baud rate : 1200~230400, selectable Serial signal : TxD, RxD, RTS, CTS, DTR, DSR, DCD, RST(reset circuit), GND

Special Feature

Data Buffering	1 Mbit
Data Delimiter	YES
Data Length	YES
Heat Beat Packet	YES
CCP/ CCU	YES API : Cellular Control Protocol Utility : Cellular Configuration Utility

Interface

RF antenna socket	50 Ohm SMA
Power connector	DC Jack connector
SIM Slot	Flip-up type
Serial Interface	DB9 connector (female)
LED Indicator	8 x Working status, 4 x network status

Power

Power Input	Redundant Power Input, Terminal Block, DC Jack is available
Input Voltage Range	5~32 VDC
Reserve power protection	YES
Power Consumption	4 Watt(working mode) sleep mode supported

Indicators

LED indication	8 x Working status, 4 x network status
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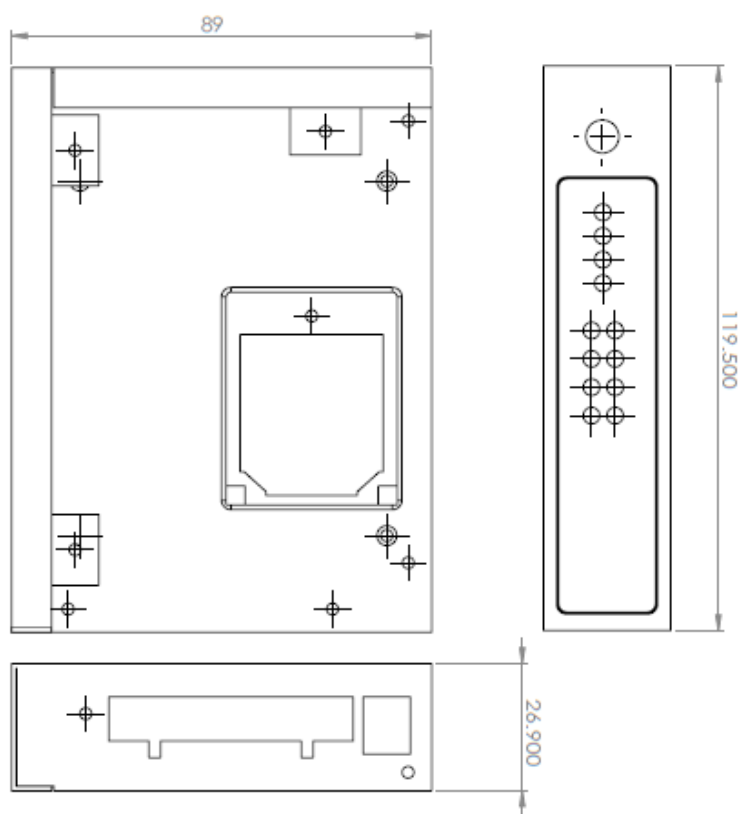
Environmental and Compliances

Operating Temperature	-40~85°C (Cold startup at -40°C)
Storage Temperature	-40~85°C
Humidity	10~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>20 years

Mechanical

Protection	IP30
Dimension	120mm(H) x 90mm (W) x 27mm (D) (with connectors)
Weight	200 g
Installation	Din-Rail Mount
Relay Output	1A, 24V, Normal Open
Digital Output	2, electrically isolated inputs : +13 to 30 V for state 1 (on) +3 to 30 V for state 0 (off)
ESD Protection	15KV

Dimension Diagram



Ordering Information

Available Models	Description	RS232/422/485	100 Mb TX
IS-C2050	RS232/422/485 to GSM/GPRS quad band Terminal, -40~75°C	1	

Accessories

1. IS-RK2U 19" rack mount kit
2. IS-RK4U 19" rack mount kit
3. IS-PS20-12 Power adaptor

Package Checklist

- IS-C2050 terminal
- Quick Installation Guide (Printed)
- AC/DC Power Adaptor
- Standard antenna