














iRZ TU31

High-speed iRZ TU31 3G modem is designed for data transmission over 2G and 3G cellular networks.

The iRZ TU31 3G modem is oriented on payment terminals and vending machines. A widespread USB 2.0 interface enables the direct modem connection to a computer without an AC power adapter. Besides, the modems find a use in industrial applications with one of the most common physical interfaces - RS232. The device can be powered via the TJ6-6P6C connector as needed.

iRZ TU31 supports the main communication functions: data transmission by HSUPA/HSDPA/UMTS/EDGE/GPRS/CSD technologies, fax and SMS send and receive. The modem control is realised by the standard AT commands, as well as by a proper AT command set. The built-in watchdog timer prevents from the device hanging up.

High-speed data transmission, extended temperature range and a compact case provide the use of iRZ TU31 in various industrial applications: vending trade systems, payment terminals, telemetry and telemechanics, data acquisition systems, as well as in different systems requiring high-speed wireless data transmission.

	TRI-BAND		3G		HSPA+
	GPRS CLASS 12		EDGE CLASS 12		TCP/IP CONNECTIVITY
	USB POWER FUNCTION		INDUSTRIAL INTERFACES		WATCHDOG TIMER
	SIM ACCESS PROFILE		EXTENDED TEMPERATURE RANGE		



Frequency bands:

- HSDPA/HSDPA/UMTS 900/2100 MHz
- GSM/GPRS/EDGE 900/1800 MHz

Features:

- Timer reset function
- Sleep mode
- Reset options set
- Multiplatform support:
Windows 7/2000/XP/VISTA/LINUX

Communication standards:

- HSDPA - up to 7.2 Mbps
- HSDPA - up to 5.76 Mbps
- UMTS PS – up to 384 Kbps
- EDGE Class 12 - up to 236.8 Kbps
- GPRS Class 12 - up to 85.6 Kbps
- MC class B
- SMS: MT, MO, CB, text and PDU modes
- USSD
- Fax group 3: Class 1

Available network protocols:

- TCP, UDP, HTTP, FTP, SMTP, POP3
- Control through AT commands (Hayes 3GPP TS 27.007, TS 27.005)
- SIM application toolkit

Connectors and interfaces:

- HSDPA - up to 7.2 Mbps
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Electrical specifications:

- Power over USB
- Power supply voltage: from 9 to 30 V
- Current consumption:
At power supply voltage 12V - 400mA max.
At power supply voltage 24V - 200mA max.

Physical specifications:

- Plastic case
- Dimensions: 69 x 75 x 26 mm max.
- Weight: 100 grams max.
- Operating temperature range: -40°C ...+70°C

