

# ICX-COMTOM-R10.U

## Technical Specifications

### General:

iCEX (Integrated Cellular and Ethernet explorer) is a Series of Embedded or Encapsulated Smart Data Producers. They explore data from sensors, analyzers, PLC and other devices over I/O, Ethernet or Serial protocols, and link them to the internet (RealiteQ Central On-Line Management Portal -COMP) by any cellular, satellite, Ethernet or other connections.

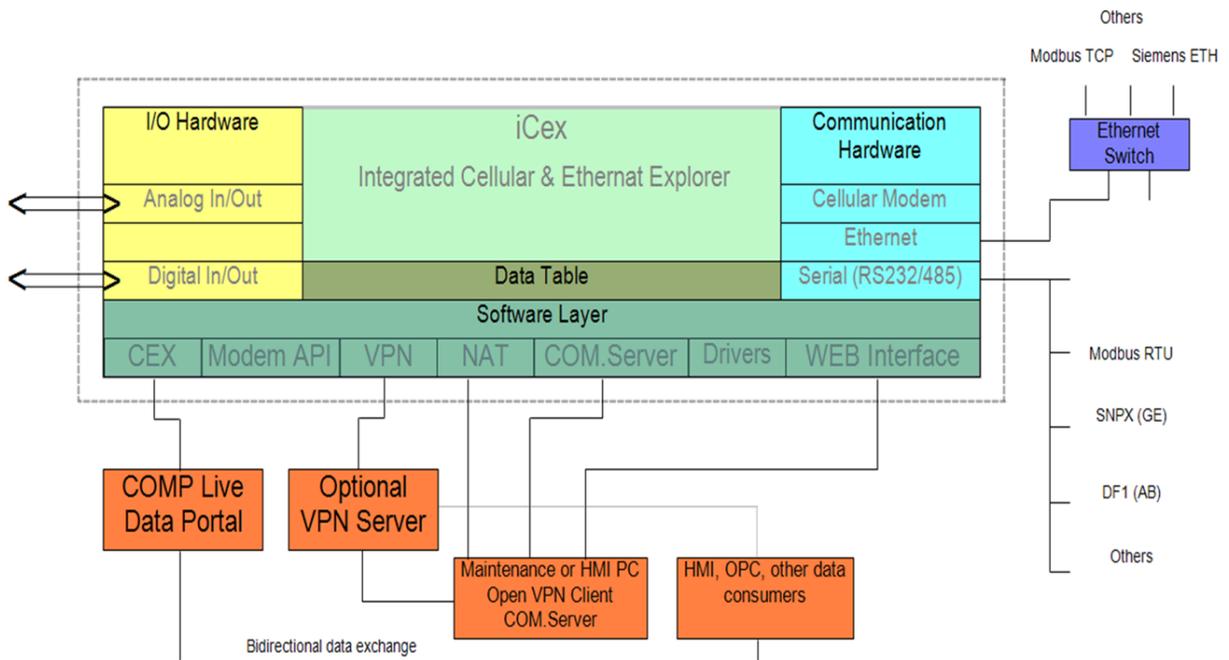
There are several iCEX models with different features to cover any specific site needs.

ICX-COMTOM-R10 has analog and digital I/O on board. It's very useful in small sites, where there is no local PLC or smart instrument. It can be used also in places, where in addition to PLC or smart instruments some more sensors need to be connected direct via local I/O. Digital outputs can be used for operating devices, where the logic is very simple, and PLC can be omitted.

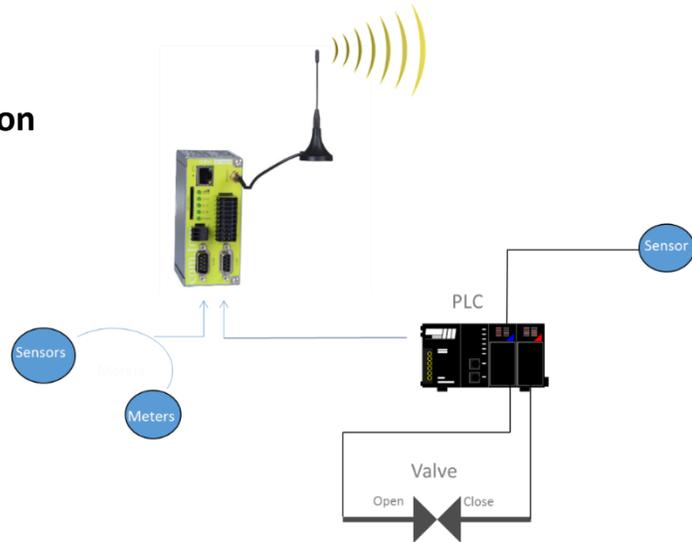
ICX-COMTOM-R10.U modem supports UMTS (3G) communication



### iCEX Internal block diagram



## iCEX R10.U–Typical installation



### Common specs:

Ethernet	1 x 10/100Base/T, RJ45 connector with traffic and link LED
Serial Interface	1 x RS232/485 (D-SUB 9 pins connector)
Supply voltage	10-30 VDC
Operating system	IPC@CHIP® RTOS
Status LEDs	5 (power, connect to GSM network, Internet, COMP, and devices in the field)
Operating temperature	0-55 °C
Size (W x L x H)	46 x 105 x 70 mm      1.8 X 4.2 X 2.8 Inch
Material	Continuously hot-dip aluminum-zinc coated steel sheet (DIN EN 10215)
Mounting	35 mm DIN rail
Additional function	c/c++

### Specific ICX-COMTOM-R10.U properties:

Modem	1 x Quad band <b>3G</b> (850/900/1800/1900 MHz) (SIM card interface in the back)
Second Serial port	None
CAN Interface	1 x CAN
Active current	Max 280mA @ 24VDC
Analog I/O	8 x 4-20 mA or 0-10 VDC (Each one set separately)
Digital I/O	8 x Inputs (max 5mA)/ Outputs (max 500mA) @ 24VDC
Additional functions	8 x Total / Resettable counters 8 x Real Time Flow Rate