

ICX-COMTOM-R9.0

Technical Specifications

General:

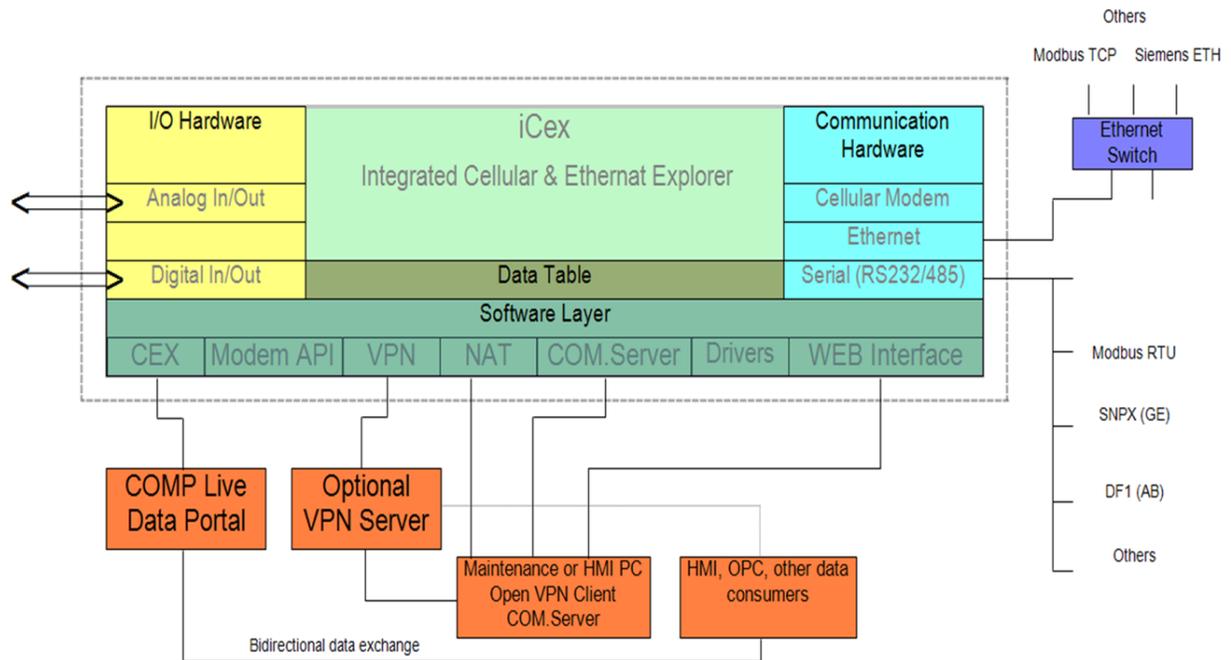
iCEX (Integrated Cellular and Ethernet explorer) is a Series of Embedded or Encapsulated Smart Data Producers. They explore data from sensors, analyzers, PLC and other devices over I/O, Ethernet or Serial protocols, and link them to the internet (RealiteQ Central On-Line Management Portal -COMP) by any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

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

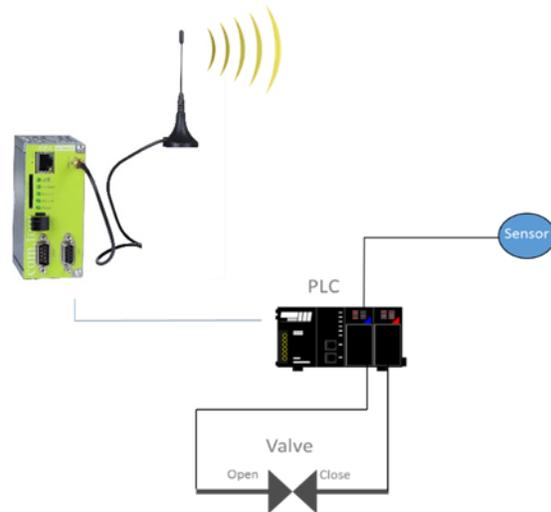
ICX-COMTOM-R39.0 is special model with two built in GSM modems. It holds two different SIM cards from different cellular providers. It's designed to prove redundancy in cellular communication to COMP, especially in places where cellular coverage is weak or with drops and continuously communication with COM is highly important.



iCEX Internal block diagram



iCEX R9.0–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-R3.0 properties:

Modem	2 x Quad band GSM (850/900/1800/1900 MHz) (2 x SIM cards interface in the back)
Second Serial port	None
CAN Interface	1 x CAN
Active current	Max 140mA @ 24VDC
Analog I/O	none
Digital I/O	none