IHM
Intelligent Hybrid Modem

IHM - INTELLIGENT HYBRID MODEM FOR YOUR M2M AND IOT APPLICATIONS

The Intelligent Hybrid Modem connects to machines and sensors, and provides reliable high-availability, global-coverage Internet connection through mobile networks and the Iridium Satellite Network. IHM is your communication solution for Smart and Digital applications in Agriculture, Construction, Mining, Asset Tracking, Drones and many more markets, where global communications are essential.

M2M, IoT, GNSS
rugged design
quad-core micro-computer with generous memory
run your application software on IHM

Connect to your machines and networks
IP Data
LAN, Serial, USB
Wi-Fi, Bluetooth, LoRaWAN

Stay connected, everywhere on Earth
Global Iridium Satellite Network
Mobile Networks
Configurable Auto-Switching

Specifications

Connectivity	
Mobile	LTE: Dual-Band GSM/GPRS/EDGE 900/1800 MHz, LTE, LTE-M, 3G, 4G 800/900/1800/2100/2300/2600
Satellite	Iridium Certus 100: 22/88 kbps (up/down)
Wi-Fi	IEEE 802.11 a/b/g/n, d/e/i/h/r/w, WPA/WPA2 BR/EDR v2.1 (max. 3 Mbps)
Bluetooth	Low Energy BLE v4.0 (2.4 GHz, max. 1 Mbps)
LoRaWAN	LoRaWAN® 1.0.3, 2.4 GHz, 476 - 2.300 kbps Line of Sight range up to 12 km (7.5 mi)
GNSS	Multi-Constellation L1
Microcomputer	Cortex-A53 64-bit 1.2 GHz Quad-Core
Memory	1 GB RAM, 32 GB Flash
Operating System	Linux
Ports & Connectors	Serial RS232 Ethernet RJ45 USB-A Data USB-C Add-on Hardware
Power Supply	9-36 VDC Power LED
Remote Functions	Configuration Firmware Updates
Operating Environment	Rugged Design IP67 Connectors, IP65 Case Temperature Min. -20°C to +65°C (-4°F to +150°F)
Dimensions	150 x 170 x 55 mm (5.9 x 6.7 x 2.2 in)
Weight	1.240 g (2.7 lbs)
Antennas	Iridium, GNSS, LTE (2), LoRa, Wi-Fi (2), BT RP-SMA Connectors