

## IT2010 Ethernet Modem Features For AT&T and T-Mobile Networks

- The H2O Degree IT2010 is a Cellular Ethernet modem for 3G/4G services.
- The IT2010 features 4G-LTE with 3G HSPA+ fallback.
- Device is equipped with 1 Ethernet LAN port and a reset push button.
- Two year warranty.

## IT2012 USB Modem Features For AT&T, Verizon and T-Mobile Networks

- The H2O Degree IT2012 is a Cellular USB interface modem for 3G/4G service.
- The IT2012 features an easy to use connection manager and internal antenna.
- SMS (Short Message Services) enabled.
- Drivers available for Windows and Linux.
- AT command compatible.
- Certified and carrier approved.
- Two year warranty.



## Overview

### IT2010 Ethernet Modem

The IT2010 is a cellular to Ethernet bridge making cellular connectivity quick and easy. The modem provides 4G-LTE connectivity without sacrificing bandwidth when switching between cellular and Ethernet. The IT2010 has FCC, IC, PTCRB and carrier certifications to ensure a quality, reliable connection with H2O Degree products.

### IT2012 USB Modem

The IT2012 is a USB cellular modem for use with the H2O Degree system. The modem is built for long life while delivering reliable data connectivity. The modem installs easy and is available for use with 3G/4G networks..

## Ordering Information

Model	Description
IT2010	Cellular Modem 3G/4G Ethernet interface for CDMA networks includes power supply
IT2012	Cellular modem 3G/4G USB interface for CDMA networks
IT2003-0010	Cellular SIM Card 1-10 Nodes
IT2003-0100	Cellular SIM Card 1-100 Nodes
IT2003-0500	Cellular SIM Card 101-500 Nodes
IT2003-1000	Cellular SIM Card 501-1000 Nodes

## IT2010 Technical Specifications

Performance: LTE Cat.3

Frequency Band (MHz):

4G: 700(B17)/850(B5)/AWS1700(B4)/1900(B2)

3G: 850(B5)/1700(B4)/1900(B2)

Packet Data: Up to 100 MBPS downlink, Up to 50 MBPS uplink

Diversity/MIMO: Rx Diversity and MIMO DL 2x2

Power Requirements

Voltage: 12 VDC

Connectors

Cellular: 50 ohm SMA (female connector)

SIM: Mini SIM 2FF

LAN: RJ-45 10/100 BaseT

Power: 2.5 mm Plug

Physical Description

Dimensions: 3.2" L x 2.5" W x 1.2" H

Physical Weight: 1.0 lbs

Chassis Type: Aluminum

Environmental

Operating Temperature: 00 to +400C

Storage Temperature: -400 to +1850 F (-400 to +850C)

Certifications

Regulatory Compliance: US: FCC Class B Canada: IC

Network: PTCRB, AT&T

Warranty

Two Years

## IT2012 Technical Specifications

### (AT&T or T-Mobile Carriers) Technical Specifications

Performance: HSPA+

Frequency Band (MHz):

3G Hepta-band: 800/850/900/AWS1700/1900/2100

2G: Quad-band: 850/900/1800/1900

Packet Data: Up to 21.0 MBPS downlink, Up to 5.76 MBPS uplink

SMS: Point-to-Point Messaging, Mobile-Terminated SMS, Mobile-Originated SMS

USB: USB 2.0 High Speed Compatible

IP Protocols: TCP/UDP/FTP/SMTP

Operating Voltage: 5V via USB Bus

Connectors

SIM Connector: Mini SIM, 1.8 and 3V

Physical Description

Dimensions: 3.1" L x 1.58" W x 0.74" H

Includes 7" integrated USB cable

Environmental

Operating Temperature: -400 to +1220 F (-400 to +500C)

Storage Temperature: -400 to +1850 F (-400 to +850C)

Humidity: Relative Humidity 15% to 93% non-condensing

Certifications

Regulatory Compliance: FCC Part 15 Class B, IC, R&TTE

Safety: UL60950-1, cUL60950-1, IEC60950-1

Network: T-Mobile, AT&T

Warranty

Two Years

## IT2012 Technical Specifications

### IT2012-V (Verizon Carrier) Technical Specifications

Performance: EV-DO

Frequency Band (MHz):

Dual-Band 800/1900

Packet Data: Up to 3.1 MBPS downlink, Up to 1.8 MBPS uplink

SMS: Point-to-Point Messaging, Mobile-Terminated SMS, Mobile-Originated SMS

USB: USB 2.0 High Speed Compatible

IP Protocols: TCP/UDP/FTP/SMTP

Operating Voltage: 5V via USB Bus

Physical Description

Dimensions: 3.1" L x 1.58" W x 0.74" H

Includes 10.5" integrated USB cable

Environmental

Operating Temperature: -400 to +1220 F (-400 to +500C)

Storage Temperature: -400 to +1850 F (-400 to +850C)

Humidity: Relative Humidity 15% to 93% non-condensing

Certifications

Regulatory Compliance: FCC Part 15 Class B

Safety: UL60950-1

Network: Verizon

Warranty

Two Years