H7910

5G DTU

Overview

Hongdian 5G DTU is developed based on high-performance hardware platform which supports 5G SA/NSA network and is downward compatible with 4G/3G network. It meets the requirements for Gigabit network ports, serial ports, and wireless GPS (optional) interfaces. The Gigabit LAN port supports 10/100/1000 MBPS auto-adaptation. Under actual measurement, the power consumption in online state is as low as 40mA@12V DC, and the highest speed is greater than 500Mbps. It has industrial design which is smaller in volume, lighter in weight and better in fitting. It can be used for all kinds of 5G application scenarios in various traditional and emerging industries.

Highlights

5G SA/NSA
Support serial DTU function
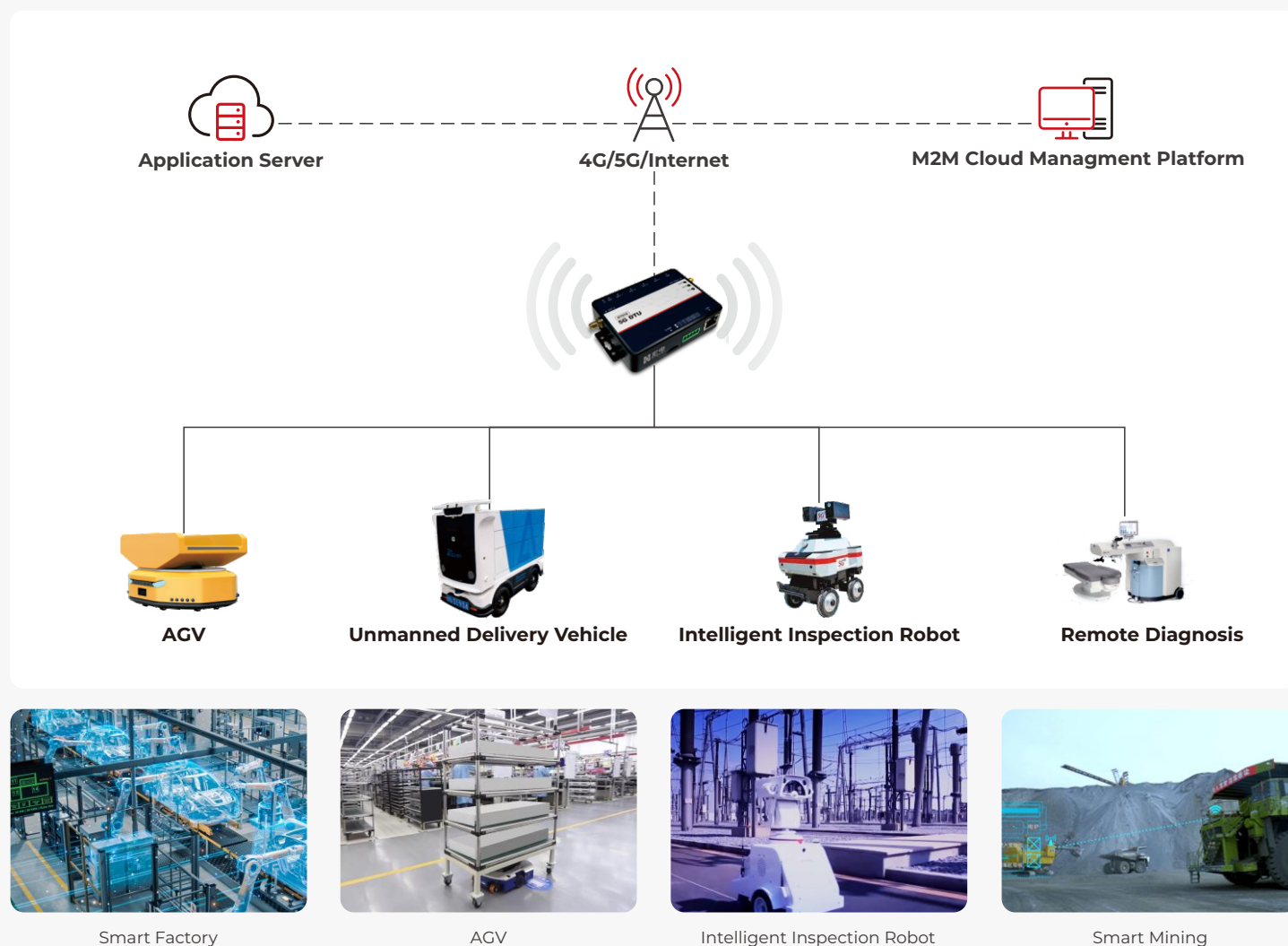
Support multiple VPNs and security firewalls

Support 10/100/1000Mbps adaptive Gigabit LAN port

Embedded and light design meeting any installation requirements

Topology diagram

Application Server

4G/5G/Internet

M2M Cloud Managment Platform

AGV

Unmanned Delivery Vehicle

Intelligent Inspection Robot

Remote Diagnosis

Smart Factory

AGV

Intelligent Inspection Robot

Smart Mining

Features

5G SA/NSA

Serial DTU Function

Industrial Standard

Embedded and Light Design

Specification

Network

3G/4G/5G	5G Sub-6: N1, N3, N5, N7, N8, N20, N28, N38, N41, N77, N78, N79 4G LTE FDD: B1, B2, B3, B5, B7, B8, B20, B28 4G LTE TDD: B34, B38, B39, B40, B41, B42, B43* 3G WCDMA: B1, B2, B5, B8

Interface

Antenna Interface	SMA-K	SIM	1.8V/3.0V, Self-firing type
Serial Port	RS232/RS485	5 Pin Terminal	3.5mm
Button	Reset	RJ45	LAN, 10/100/1000Mbps adaptive
OTG	Micro-USB		

Power supply

Operating voltage	+9V~+36V DC

Power consumption

Standby Power Consumption	Approx. 40mA@12V DC
Operating Power Consumption	Approx. 200mA@12V DC
Maximum Power Consumption	Approx. 300mA@12V DC

Other

Weight	Approx. 140g
Size	95.3×71.4×22.9 (mm)
Storage temperature	-30~+75°C
Operating temperature	-45~+90°C
Relative humidity	+40°C, 93%RH, 24h

Appearance

95.3mm
5 Pin Terminal
71.4mm
22.9mm
SIM Card Slot
LAN

4G/5G/GPS Antenna (optional)
LED*3
Ground Stud
4G/5G Antenna (optional)
OTG
4G/5G Antenna*4
Reset Button