POLYHEX

IoT Gateway Box PC Based on NXP i.MX 6ULL CPU
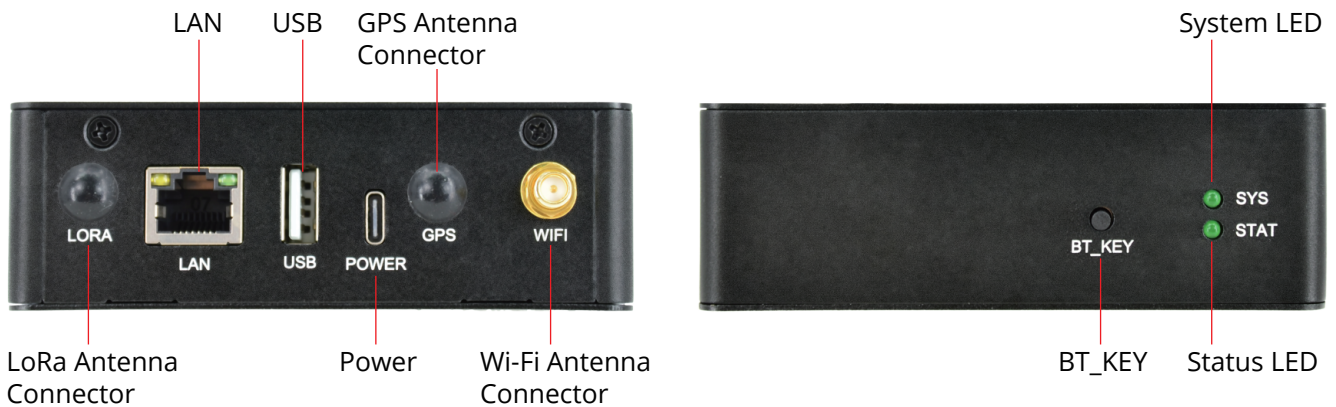
Specification:

System	
CPU	NXP i.MX 6ULL single-core Arm Cortex-A7 792MHz
Memory	512MB DDR3/DDR3L
Storage	8GB eMMC
Operating System	Buildroot
Communication	
LAN	1 x 10Mbps/100Mbps RJ45 port
Wi-Fi & Bluetooth	1 x Wi-Fi 2.4GHz, Bluetooth 4.2
GPS	1 x GPS module
I/O Interfaces	
USB	1 x USB 2.0 Host, 1 x USB Type-C
PCIe	1 x Mini PCIe
Key	1 x Bluetooth Key (User-defined key)
LED	1 x System LED, 1 x Status LED
SMA RF	1 x Wi-Fi antenna (2.4GHz, 3dBi) 1 x LoRa antenna (optional), 1 x GPS antenna (optional)
Power Supply	
Power Input	USB Type-C DC 5V input

Mechanical & Enviromental

Dimension	107mm(W) x 107mm(D) x 35mm(H)
Weight	343g
Operating Temp.	0℃~70℃
Operating Humidity	20%~95%, non-condensing
Storage Humidity	5%~95%, non-condensing

I/O Interfaces:

LAN   USB   GPS Antenna Connector   System LED

LoRa Antenna Connector   Power   Wi-Fi Antenna Connector

BT_KEY   Status LED

LORA   LAN   USB   POWER   GPS   WIFI

BT_KEY   SYS   STAT

ABOUT POLYHEX

As a board level and system level designer and manufacturer, Polyhex, with 12-year experience, always delivers best-in-class embedded computing solutions based on both ARM and X86 architecture, including hardware customization and software debugging etc. Partnered with silicon vendors like Intel, NXP, ST, Rockchip, Allwinner and so on, we have earned trust from clients worldwide in over 30 countries. Polyhex is also certified with ISO9001 and ISO13485 for the self-owned manufacture facility.

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Beyond the Embedded Deployment