

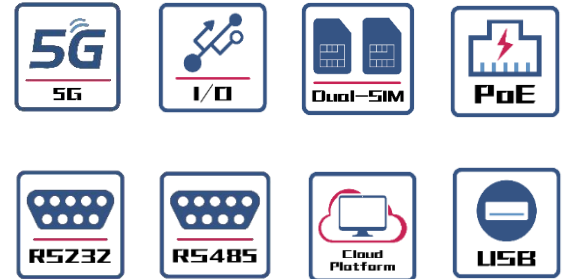
5G Industrial AI Edge BOX

XT-GV100



INTRODUCTION

XT-GV100 is a 5G/4G AIoT Edge box designed specifically for intelligent IoT monitoring. Equipped with 13Tops computing power and built-in customizable AI algorithms, it precisely recognizes and analyzes images and video scenes at the front end. Supporting multiple IoT interfaces and I/O ports, it enables real-time data collection and device interaction. Utilizing 5G/4G technology, the monitored and collected data is wirelessly transmitted to the Xingtera AIoT platform, ensuring flexible expansion and comprehensive monitoring, empowering users to build robust and intelligent IoT monitoring scenarios.



KEY FEATURES



- High-performance industrial grade 5G wireless module
- High-performance industrial-grade components
- Using metal shell, protection grade IP30. Metal housing and system are safely isolated, especially suitable for industrial control field applications



- WDT Watchdog design
- Built-in 1.5KV electromagnetic isolation protection for Ethernet interface
- RS232/RS485 interface, power and data isolation with CSA, UL and IEC standards
- SIM/UIM card interface built-in 15KV ESD protection
- Built-in reverse phase protection and over voltage protection for power interface

KEY FEATURES



Standard & Convenience

- Standard RS232, RS485, Ethernet and USB interfaces
- Built-in 4 POE network interfaces, supporting 802.3AF and AT protocols
- Plug and play, automatically completes the configuration of all IP cameras
- Support plug & play, automatically set up and start to record



High Performance

- Supports 4 channels of H.265/H.264 video input
- Video Input Capacity: 4 channels (1920×1080@30fps)
- Video Parallel Forwarding Capacity: 4 channels (1920×1080)
- Video Decoding Capacity: 4 channels (1920×1080@30fps)
- Video Encoding Capacity: 4 channels (1920×1080@30fps)
- Supports SATA hard disk access, and supports 512GB Micro SD card storage
- RS232 and RS485 interfaces default to a transmission rate of 9600bps, with optional rates of 1200bps, 2400bps, 4800bps, and 19200bps
- Built-in algorithm repository for flexible deployment and third-party integration
- Fully self-developed stack including software, hardware, and AI, tailored for project needs
- Supports IoT sensors for data and image capabilities
- Compatible with various video, IoT, and industrial control protocols

CELLULAR BANDS

NR: n1/ 2/ 3/ 5/ 7/ 8/ 12/ 13/14/ 18/ 20/ 25/ 26/ 28/ 29/ 30/ 38/ 40/ 41/48/ 66/ 70/ 71/ 75/ 76/ 77/ 78/ 79

LTE: B1/ 2/ 3/ 4/ 5/ 7/ 8/ 12/ 13/ 14/ 17/ 18/ 19/ 20/ 25/ 26/ 28/ 29/ 30/ 32/ B34/ 38/ 39/ 40/ 41/ 42/ 43/ 48/66/ 71,
B46(LAA)

WCDMA: B1/ 2/ 4/ 5/ 8/ 19