

IoT Wiz System P Ltd



Edge Controller

Quad Core Cortex A53 High-Performance IoT Gateway with 2 x LAN, 2 x COM, 1 x USB



Features

- ✓ All winners T507 Quad Core Cortex A53 1.4G CPU
- ✓ DDR4 2GB RAM, 16GB eMMC for system storage
- ✓ 2 x 485 isolated serial ports
- ✓ 2 x 10/100/1000 Ethernet ports
- ✓ 1 x Mini-PCIe for 4G
- ✓ Wi-Fi & BT5.0
- ✓ Support web service for remote online monitoring
- ✓ Support SD card & online firmware update
- ✓ Support Data logger on SD card
- ✓ Operation System: Linux Kernel 4.9/Ubuntu 20.04
- ✓ Operation Temperature -40~70°C

Introduction

MWIoT is an All Winner T507-based high-performance IoT gateway with an open platform design with a Quad Core processor, two 485 isolated serial ports, two 10/100/1000 Ethernet ports, and one USB 3.0 port and an operating temperature range of -40~70°C. It offers Wi-Fi & BT5.0 & Mini-PCIe slots for integrating 4G modules. The Linux operating system enables system integrators to develop applications precisely for solar power, electricity and factory, which require massive data collection, cloud-based applications and monitoring solutions.

Specifications

General

- **Certification** - CE, FCC
- **Mounting** - Wall-Mount/ DIN-Rail
- **Power Consumption** - 13W @ 24VDC
- **Power Requirements** - 10 ~ 30 VDC

System

- **CPU** - All Winner T507
Quad Core Cortex A53 / 1.4Ghz
- **Memory** - LPDDR4 2GB
- **FRAM** - 128KB (Optional)
- **Storage** - 16GB eMMC
- **SD Slot** - 1 x Micro-SD slot
- **Watchdog** - Yes
- **SIM Slot** - 1 x Nano SIM slot
- **Real-Time Clock** - Yes

Communication

- **Serial Port** - 2 x RS-485, 50 ~ 115200 bps
- **Isolation** - 2500 VDC
- **Ethernet Port** - 2 x 10/100/1000 RJ-45 ports
- **USB Port** - 1 x USB3.0

Software

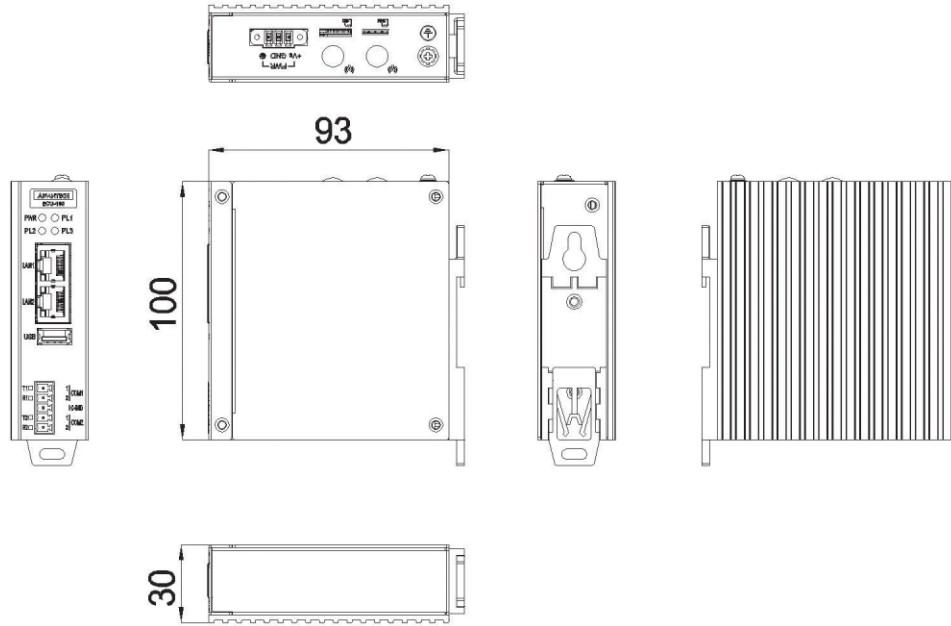
- **OS Support** - Linux Kernel 4.9/Ubuntu 20.04

Environment

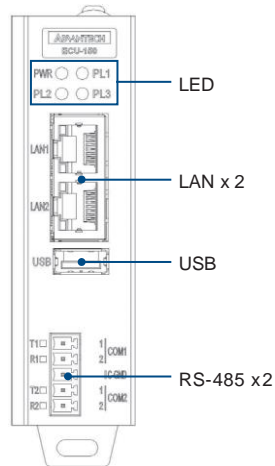
- **Operating Temperature** - -40~70°C
- **Storage Temperature** - -40~85°C
- **Humidity** - 5~95% (non-condensing)

Dimensions

Unit: mm



Front View



Top View

