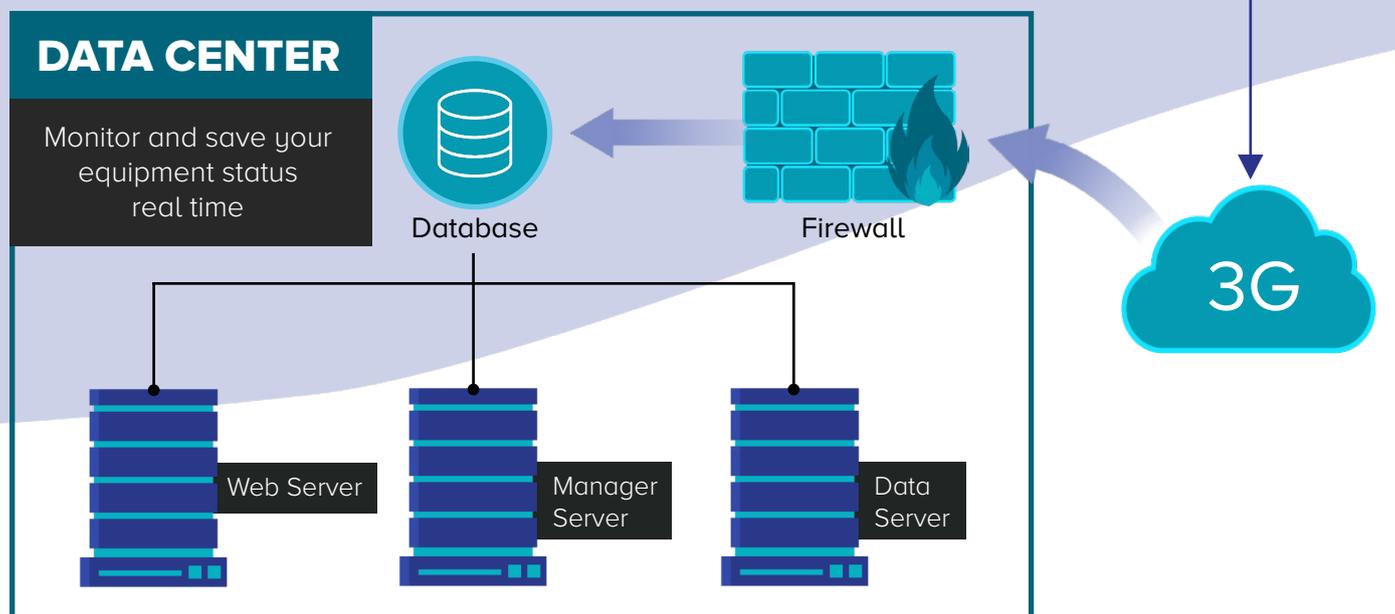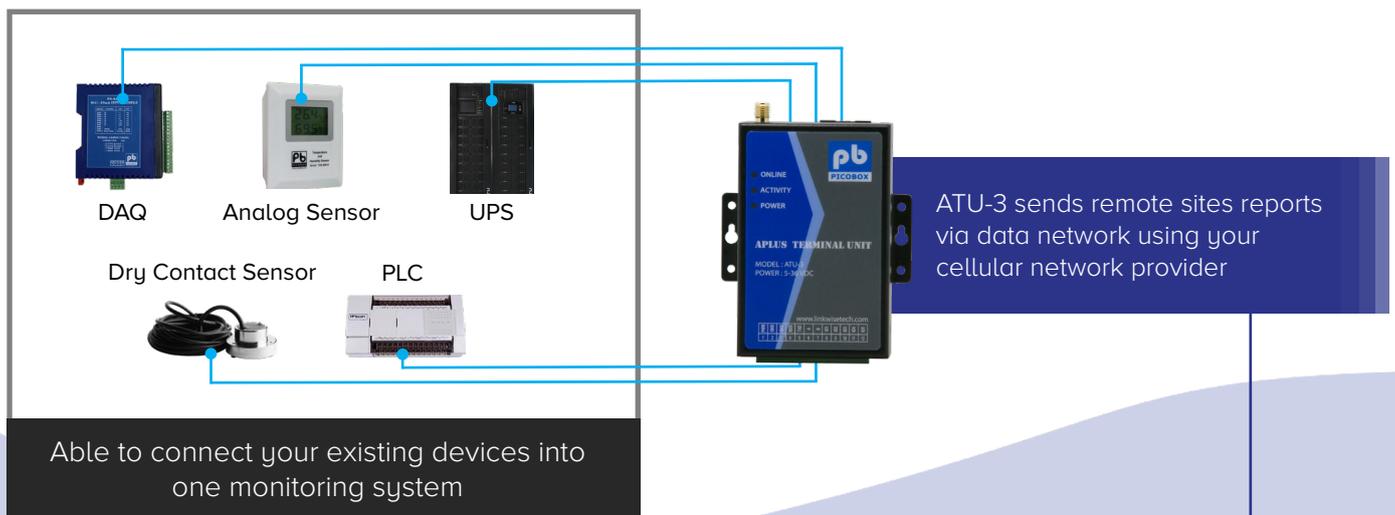# APLUS
TERMINAL UNIT
MODEL : ATU-3

PICOBOX

INTRODUCTION

ATU-3 is a kind of cellular terminal device that provides data transfer by using cellular network. It has low power consumption, support multi-sleep and trigger mode to reduce power dissipation. It uses industrial 32 bit CPU and embedded real time operating system.

Aside for its built-in IOs, ATU-3 supports RS232 and RS485 (RS422) port that can conveniently connects one device to the cellular network, allowing you to connect your existing serial devices with only basic configuration.

HOW ATU-3 WORKS

Dry Contact Sensor

UPS

ATU-3 sends remote sites reports via data network using your cellular network provider

Able to connect your existing devices into one monitoring system

DATA CENTER

Monitor and save your equipment status real time

Database

Firewall

3G

Web Server

Manager Server

Data Server

FEATURES

- Supports multi-sleep and trigger mode to save power consumption.
- With 3 digital input and 2 analog input.
- Improve data transmission by using APN/VPDN.
- Convenient configuration and maintenance interface.
- With reverse voltage and over voltage protection.
- Embedded Real Time Clock.
- With standard RS232/RS485 ports for serial devices.
- With standard RS232/RS485 ports for serial devices.
- Supports auto recovery mechanism, including online detect and auto redial when offline. It also supports link disconnection when time out.
- Supports several online trigger ways, including SMS, ring and data.

TECHNICAL SPECIFICATION

Voltage Range	5-36VDC
Cellular Modem	UMTS/WCDMA/ HSDPA/HSUPA/HSPA 850/900/1900/2100 MHz GSM 850/900/1800/1900 MHz
Network Protocol	TCP (Transmission Control Protocol) IP (Internet Protocol) DDNS (Dynamic Domain Name) APN (Access Point Name) VPDN (Virtual Private Dial-Up Network)
Communication	1 x RS232 Port, 1 x RS485 Port
Input Channels	3 x Dry Contact, 0-3.3VDC 2 x Analog Input, 4-20mA
Temperature	-35 ~ +75 DegC
Humidity	95% RH
Dimension	91 x 58.5 x 22 mm
Weight	210 g.

PHYSICAL LAYOUT

Front view

Left view

Right view

Top view

Bottom view