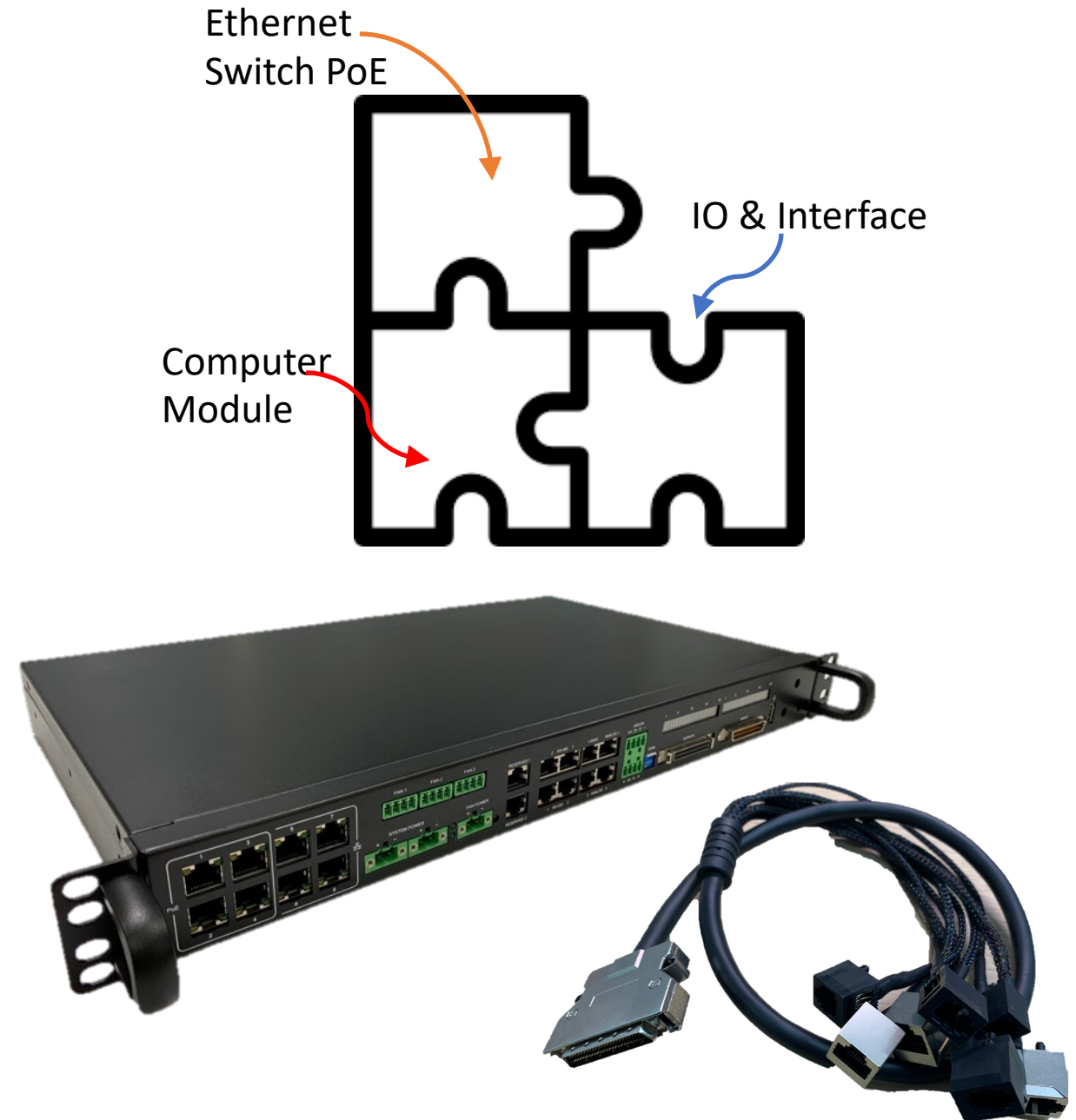




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Titan Introduction

- Automation
 - Collect sensor data
 - Operations based on readings
- Easy Installation
 - Modular hardware connection interface
- Remote monitoring and control
 - PoE (Power Over Ethernet)
 - RS485, RS232
 - Digital I/O
- Modularity
 - Customizable
 - Expandable
 - Easy to maintain





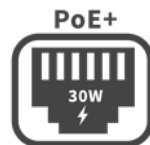
Titan Spec

Product Description

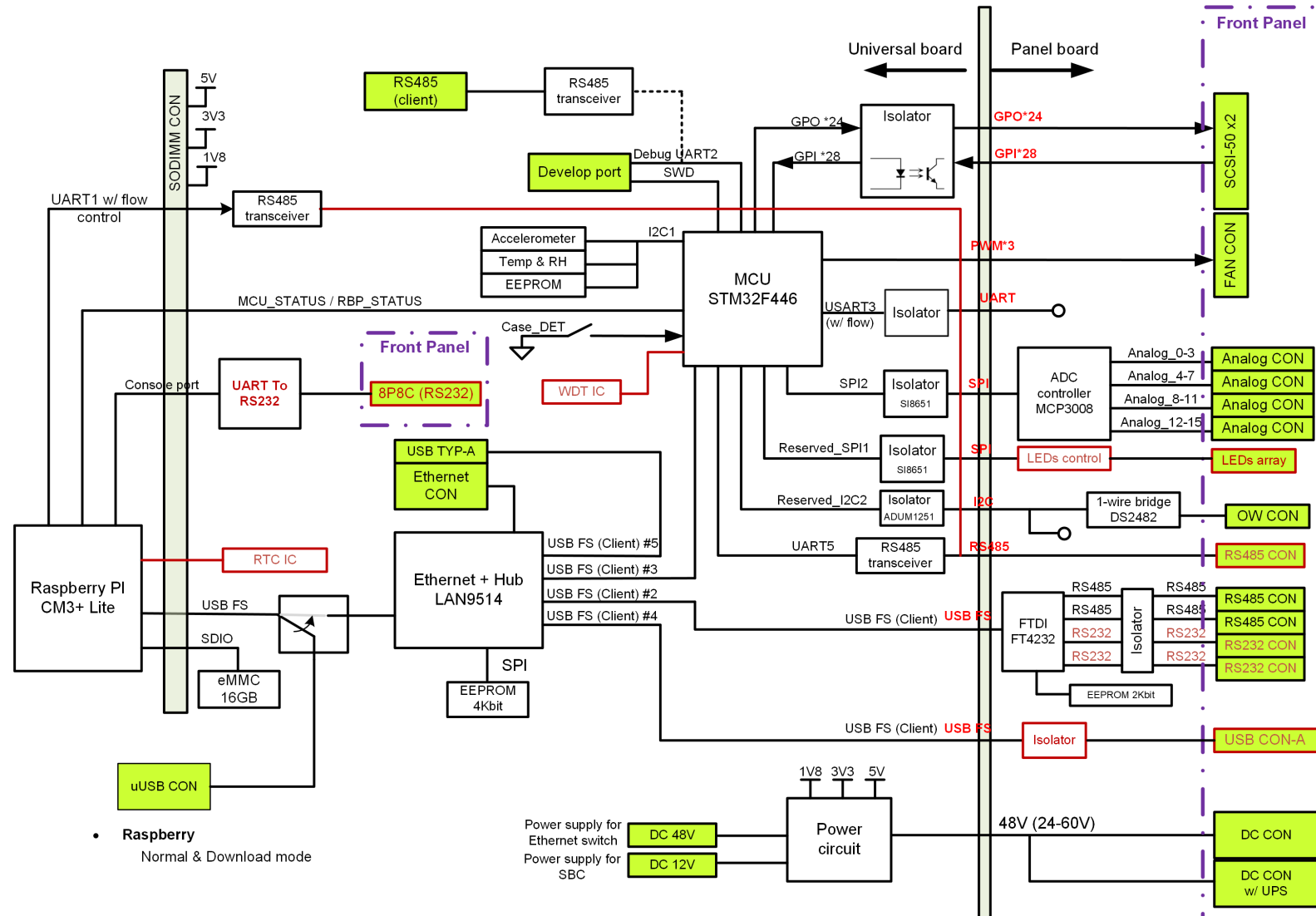
- 19-inch Rack Mount cases with 1U height
- ARM based single board computer
 - 16GB eMMC Memory (Options)
 - 1GB LPDDR2 SDRAM
- Ubuntu 20.0.4 LTS
- Rich control interface for Industrial
 - RS485, RS232
 - One-Wire
- 9 Ports Ethernet switch
 - 4 Ports PoE 30W
- Up to 40 digital IO support
- Analog sensor ports (AI)
 - Voltage & Current sensing
- Full Speed USB port for 3G/4G support
- Air conditions and FAN control ports
- Easy to Setup Panel Design

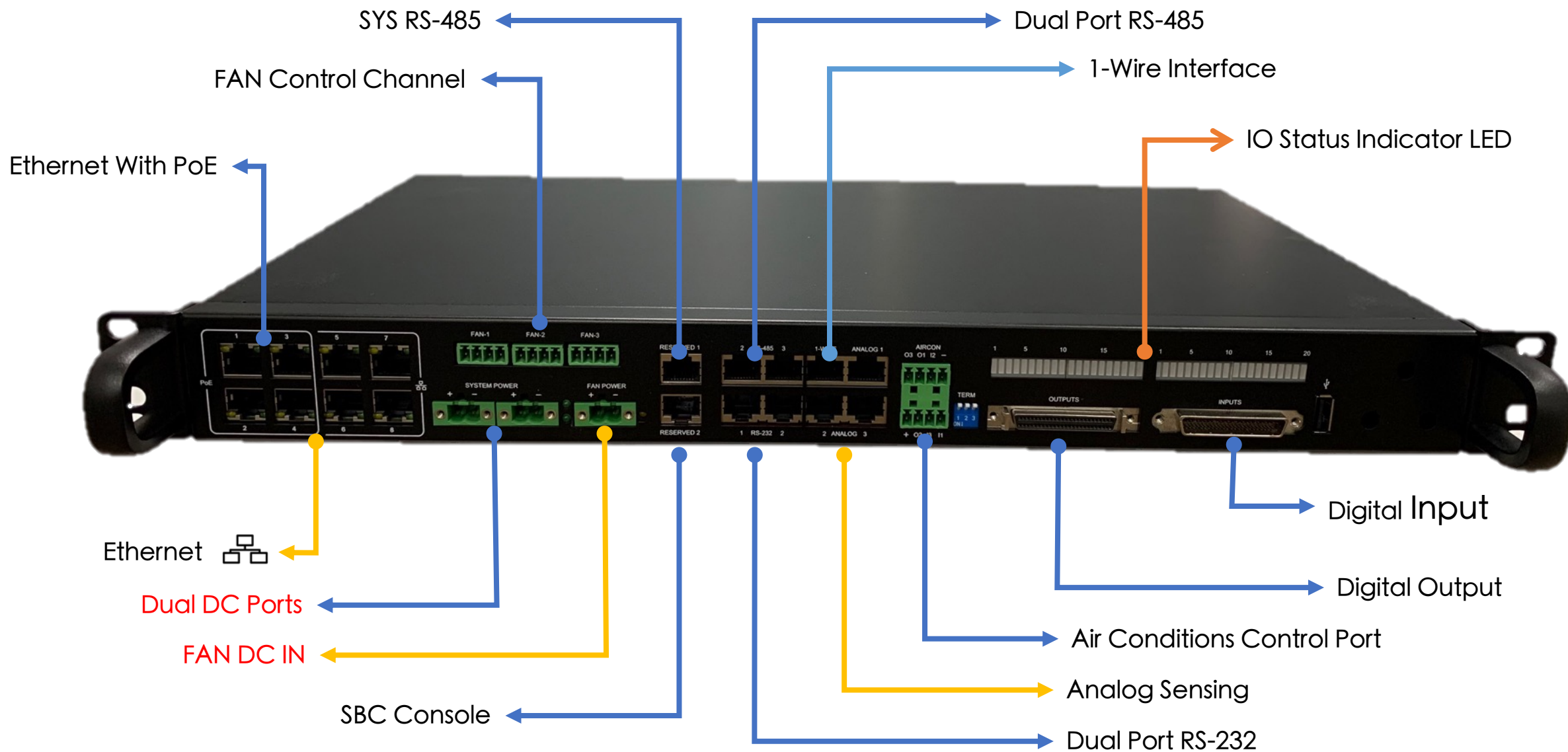
Applications

- Server Room Automation
- Telco Station Mangement
- Site Management
- AIOT



Titan Block Diagram





Titan Platform Architecture

Power Management :

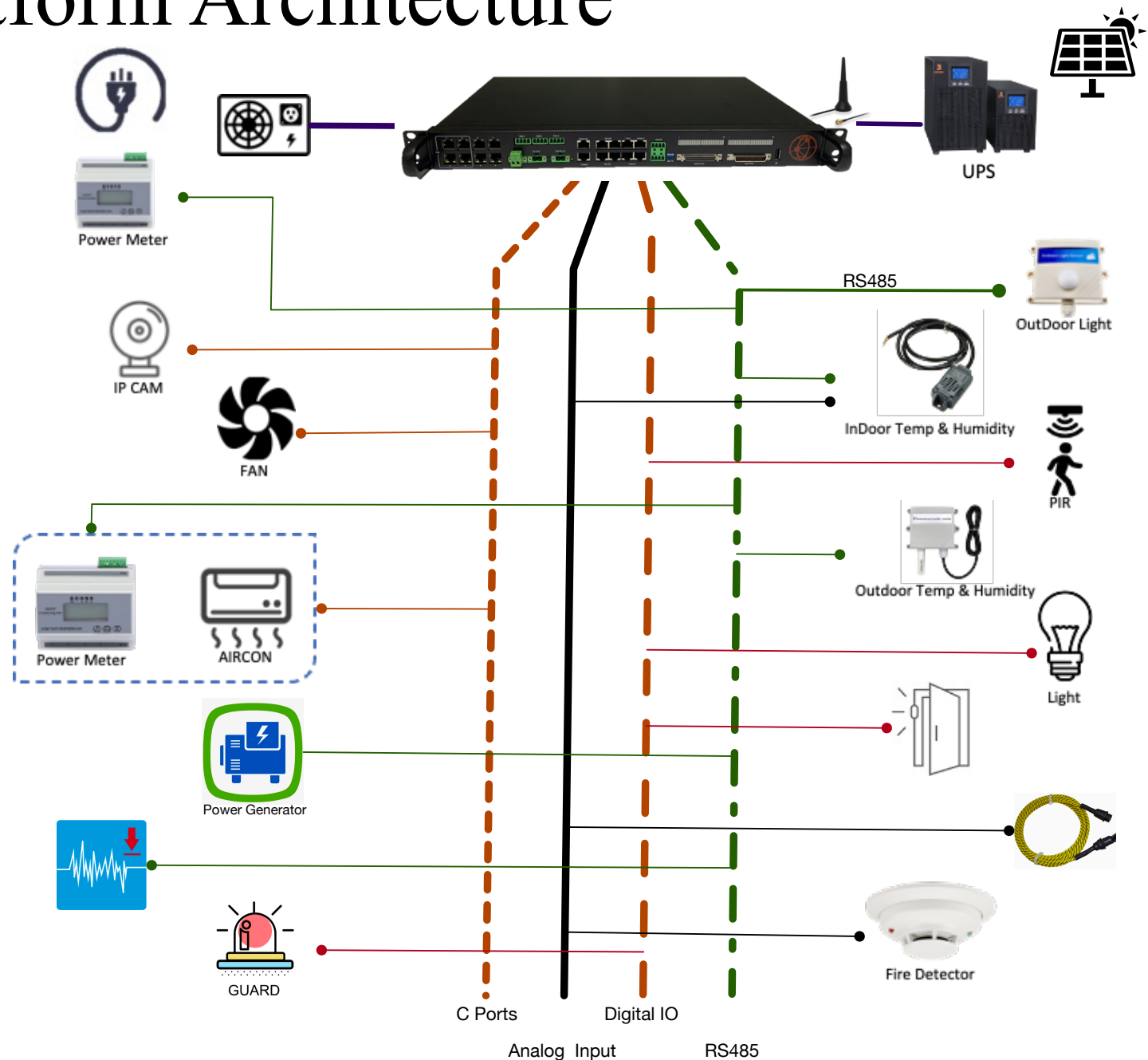
Backup Power, Electric Power
Quality Monitoring(Utility,
UPS, Generator, Solar)

Environmental Control :

Heat Dissipation(AC Control,
Fans), Power Units

Connectivity :

Ethernet Switch, PoE,
3G/4G module, BT/WiFi...



Environment Monitoring :

Smoke Detection,
Temperature & Humidity,
Motion, Leakage, Electric
Power Quality,...

Security :

Access Control,
Security Camera, IR
Detector, Motion
Sensor

Use cases	Sensors/Components	Titan Interface
Machinery/Equipment Failure Prevention	<ul style="list-style-type: none"> - Temperature and Humidity monitoring - Warning via Web Dashboard - FAN and Air Conditioning control 	<ul style="list-style-type: none"> - One-Wire - RS485 - ADC-V - PWM FAN - Aircon Module - Ethernet
Power Stability Monitoring	<ul style="list-style-type: none"> - AC and DC Power Meters - Power Generator monitoring - UPS monitoring 	<ul style="list-style-type: none"> - RS485
Fire Hazzard Prevention and Alert	<ul style="list-style-type: none"> - Temperature and Humidity monitoring - Smoke sensing - Fire Sprinkler Control 	<ul style="list-style-type: none"> - One-Wire - RS485 - ADC-C - Digital Output
Intruder Prevention and Alert	<ul style="list-style-type: none"> - Door open/close sensing - PIR sensing - Siren Control - Door Lock Control - Web Cam Control 	<ul style="list-style-type: none"> - Digital Input - Digital Output - POE
Aircraft Warning Light	<ul style="list-style-type: none"> - Aircraft Warning Lights Control - Failure Detection 	<ul style="list-style-type: none"> - Digital Input - Digital Output - AWL
Environment Automated Management	<ul style="list-style-type: none"> - Automatically configure FAN or Air Conditioning based on temperature & Humidity readings 	<ul style="list-style-type: none"> - Pre-configured Software Flow