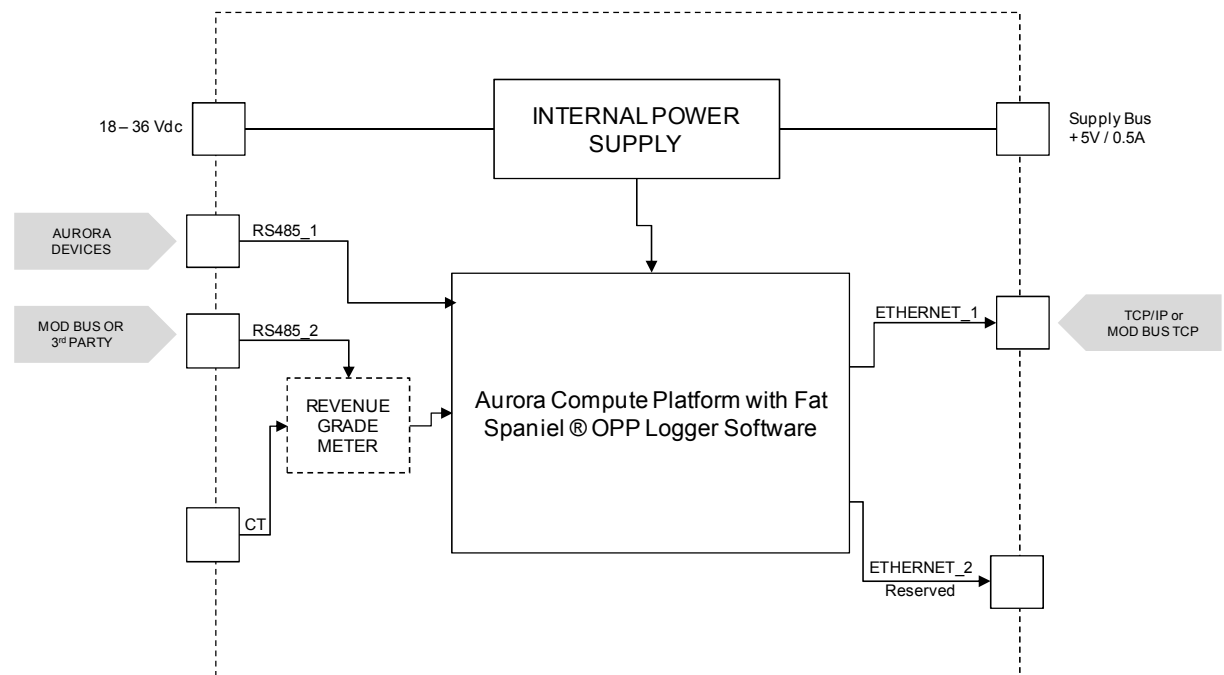




## Aurora Universal – System Architecture



### Unified Interoperable Platform

A unified plant data management platform that seamlessly integrates with balance-of-system components (inverters, string combiners, environmental systems) from Power One and a wide-range of 3<sup>rd</sup> Party vendors.

### High-Performance Architecture

Field-tested, scalable and secure architecture enables reliable real-time revenue-grade energy monitoring and management interfaces

### Modular Design

Modular design enables extensibility of the platform to support wide range of multi-vendor devices and applications from residential to utility environments



## Technical Feature Comparison: Residential, Industrial and Revenue Grade

CHARACTERISTIC	AURORA UNIVERSAL REVENUE GRADE	AURORA UNIVERSAL INDUSTRIAL	AURORA UNIVERSAL RESIDENTIAL
<b>FEATURES &amp; ADVANTAGES</b>			
Computing Environment	High performance platform and Fat Spaniel Open Premise Platform® software		
Interoperability	Multi-Vendor Interoperability with popular renewable energy vendors and product models		
Data Sampling Rate	High Frequency Data Sampling – 1 minute average – that can be varied to meet application requirements		
Real-Time Management	Compatible with Aurora Vision and Fat Spaniel Prime™ Software-as-a-Service solutions for real-time performance management and reporting		
Upgradability	Field Upgradable over the Internet		
<b>COMMUNICATIONS</b>			
Serial Port 1	RS 485 interface for Modbus devices		
Serial Port 2	RS 485 interface for Power-One Aurora /3 <sup>rd</sup> Party (Modbus or Proprietary) devices		
Maximum Devices Per Serial Port	15 per RS 485 (recommended)		
Ethernet 1	10/100 BaseT Ethernet for WAN and LAN communications		
Ethernet 2	Reserved		
<b>PROTOCOLS</b>			
Plant Network Transport Protocols	Modbus/RTU, Modbus/TCP, SunSpec and vendor-specific		
Support LAN/WAN Protocols	TCP/IP, HTTP, DHCP, SSL		
<b>REVENUE GRADE SUPPORT</b>			
Revenue Grade Meters	Integrated revenue grade meter (meets ANSI C.12 for 98%+ accuracy)	N/A	N/A
CT Integration	Optional 5A CTs allowing for a wide range of current sizes (ordered separately)	N/A	N/A
<b>POWER SUPPLY</b>			
DC Power Supply	Input: 90 – 575 VAC, 50 – 60 Hz		
<b>ENVIRONMENTAL PARAMETERS</b>			
Ambient Temperature Range	-20 /+55°C	-20 /+55°C	-10 /+40°C
Environmental Protection Rating	NEMA 4X	NEMA 4X	Indoor only
Relative Humidity	<90% Non-Condensing	<90% Non-Condensing	N/A
<b>MECHANICAL</b>			
Dimension	393.4 x 352.0 x 161.0 mm	393.4 x 352.0 x 161.0 mm	77.0 x 111.0 x 26.0 mm
Weight	3.6 kg	3.6 kg	0.2 kg

### For More Information

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