

# A8332-8F2D Flex I/O Module

The A8332-8F2D Flex I/O Module provides a convenient way to bring data from up to 8 industry standard meters and sensors into facility management/monitoring systems.

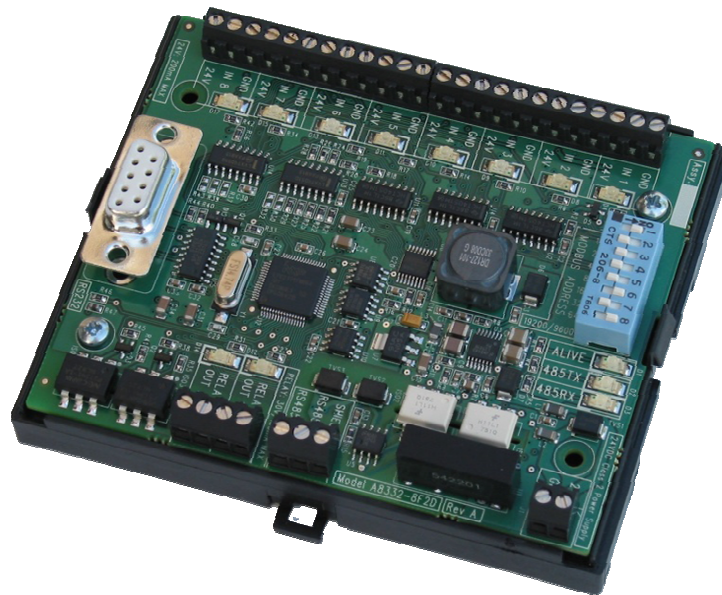
As a standalone module, the A8332-8F2D (Flex I/O Module) can be incorporated to any new or existing Modbus Network (BAS, EMS, etc). By using the Windows based Obvius Configuration Console (OCC), users can select input types (pulse, analog, resistive, etc.) and verify communications and wiring. The Flex I/O Module is a quick and cost-effective way to aggregate data from multiple device types and bring that data into any Modbus system.

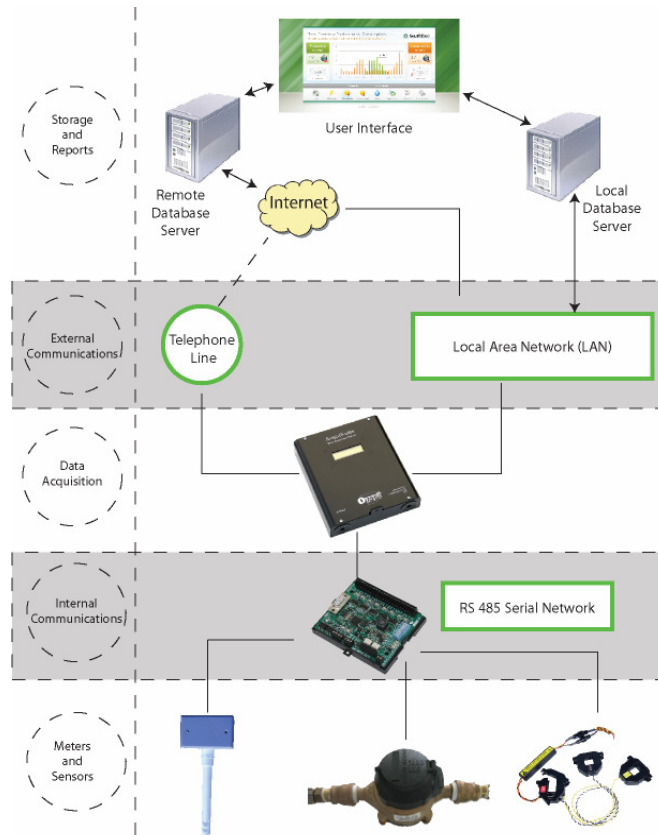
## Applications-

- Load aggregation for Demand Response
- Cost Allocation
- Measurement & Verification for energy savings
- Easily add meters & sensors to any Modbus network
- Monitors performance of building systems including photovoltaic production

## Features-

- 8 user selectable inputs to aggregate pulse, analog, and resistive meters/sensors
- Non-volatile memory retains configuration and pulse counts
- 2 digital outputs
- Digital outputs can be linked with pulse inputs for pulse splitting applications
- LED indicators allow visual verifications of communication status/signal
- Din rail mounting for quick installation





## SPECIFICATIONS

Processor	Arm7, field upgradeable firmware.
LED	8 input status LEDs (red), 2 Modbus TX/RX (yellow), 1 power/alive status (green).
Protocols	Modbus/RTU
Power Supply	24 VDC, 200mA, Required (not included)
Serial Port	RS-485 Modbus, 19200 or 9600 baud. N81
Inputs 8x, user selectable:	<ul style="list-style-type: none"> <li>0-10 V - Min/Max/Ave/Instantaneous</li> <li>4-20 mA - Min/Max/Ave/Instantaneous</li> <li>Pulse - Consumption, Rate</li> <li>Resistance - Min/Max/Ave/Instantaneous</li> </ul>
Maximum pulse rate:	10hz
Contact closure threshold	1k $\Omega$
Isolation	RS485 port is optically isolated.
Environmental:	<ul style="list-style-type: none"> <li>Pollution Degree 2, Altitude up to 2000M</li> <li>For indoor and outdoor use when used in an appropriate enclosure.</li> <li>The A8332-8F2D must be mounted inside a NEMA rated enclosure for safety and isolation requirements.</li> <li>North America: Indoor, temperature 0° - 50°C, 0 - 95% humidity, non-condensing.</li> <li>Europe: Indoor, temperature 5° - 40°C, 0 - 90% humidity, non-condensing.</li> </ul>
Size	4.13" x 3.39" x 1.18H" (105mm x 96mm x 30mm)
Mass	3.7 oz (105g)

