Universal WEB Station (UWS) Specifications

- **Physical -**
  - **Dimensions:** 3 inches DIA x 2.5 inches x 1.7 inches
  - **Mounting:** Bulkhead, DIN, GUAC Explosion Proof Enclosure
  - **Connections:**
    - RS-232, Two, Male 9 Pin Subminiature D connector. IBM AT standard
    - Power & RS-485, Plug & Play, Wire Range 28 – 14 AWG
    - Ethernet 10baseT RJ45 connector
  - **Indicators:**
    - Power (Green).
    - Reset (Red)
    - Ethernet Link (Green) connection
    - Ethernet Activity (Yellow)
    - TX (Yellow) activity. One for each RS-232 and RS-485 ports. (3 Total)
    - RX (Yellow) activity. One for each RS-232 and RS-485 ports. (3 Total)
- **Electrical -**
  - **Supply Voltage:** 11 to 26 VDC
  - **Current draw:** Nominal 170 mA, 300 mA max
  - **CPU:** Industrial Hardened Microcontroller
  - **Real Time Clock:** Perpetual
  - **Battery:** Internal, 3 Volt Lithium CR2032, commonly available
- **Software -**
  - **Supported Protocols:**
    - HTTP
    - SMTP
    - FTP
    - Telnet
    - AGM Data Handler (DH)
    - AGM Integrated Control Station (ICS)
    - Modbus(ASCII/RTU/TCP/IP)
    - DF1, Half-Duplex
    - DNP
    - ASCII
    - MGD (ADFM)
    - Sti Automation Ultrasonic Sensor
  - **Features:**
    - Web Server
      - Built-in Pages
      - Custom Pages
      - Display selected data
    - Messaging/E-Mail
      - Periodically

- Event
- Data Translation - Any supported protocol to any supported protocol (32 variables max)
- Switching and Routing - Any port to any port based on address range. (Compatible protocols only)
- Configuration
    - Locally
    - Remotely via Ethernet HTTP connection and standard web browsers
- FTP - Download custom pages or messages
- Real Time Clock - Date and time stamp of activity
- Memory - 1 Megabyte Flash memory for configuration, custom web pages and messages
- Supervisory Control – Remotely control devices (Requires custom web page. May also require programming in connected device

- **Configuration -**
  - **Custom WEB Page Titles:** Up to 3 lines
  - **Date and time:**
    - Setting
    - Display format
  - **Security settings:**
    - One master administrator
    - Up to 3 alternate users
  - **Addressing:**
    - IP Address
    - Subnet mask
    - TCP Port
  - **TCP/IP Port Assignment Protection:** Changes will be confirmed by reconnecting within specified period of time.
  - **Protocols:** Individually selectable for each of the 4 ports
  - **Baud rates:** Individually selectable for each of the 4 ports (300, 1200, 9600, and 19200 supported)
  - **Addresses:** Individually selectable for each of the 4 ports. For some protocols, addressing may be done on an individual variable.
  - **Timing:** Update interval may be selected for each port
  - **Variable:** Up to 32 values may be selected for translation. For each value, one source port and up to 3 destination ports may be selected.
  - **Master Protocol Modes:** Collect or update translated data individually. Device address may be specified as well as variable address for each of the 32 values.
  - **Data Display:** Selected variables are also available for HTML pages
  - **E-Mail address, SMTP server:** messaging interval and one alarm value may be set

- o **Configuration Interface:**
    - Settings configured via HTML pages
    - Custom web pages downloaded via FTP
    - Custom E-Mail page downloaded via FTP
    - Configuration may be saved or restored via FTP
    - Configuration may be cloned via FTP
- o **Ports Interface:**
    - Port A, RS-232
    - Port B, RS-232
    - Port 4, RS-485
    - Port T, Ethernet TCP/IP
- o **Messaging:**
    - Built in message displays single user selectable value
    - Custom message can display any or all of the 32 defined translation values
    - Message may be initiated on a user defined interval or event
    - Single value only
- **Environmental -**
    - o **Operating Temperature:** -30 to 80 degrees C
    - o **Operating Humidity:** 5 to 95%.
- **Warranty –**
    - o **7 years, Transferable**