



DESCRIPTION

The AspectFT-Matrix MAX™ area controller is an embedded building automation network controller designed to provide flexible area control applications to a building automation system. Through the use of AAM's Facilitating Technology (FT), AspectFT®, the AspectFT-Matrix MAX has the ability to provide traditional control features such as alarming, trending, scheduling, and extensive custom programming. In addition, it integrates with popular Internet programs to allow end-users more freedom. With AspectFT, your PC and smart devices can integrate with your building easily and efficiently.

Also included are features such as the ability to push and pull data with popular networked databases, and to serve graphical user interface pages - thus eliminating the need for a dedicated operator workstation or expensive add-on software to view a system.

FEATURES & OVERVIEW

HARDWARE SPECIFICATIONS

ARM Cortex-A8 1 GHz Processor
Injection molded enclosure
512 MB RAM / 2 GB Flash

COMMUNICATIONS

10/100 MB Ethernet port
RJ-45 Connection
2 EIA-485 Ports (license dependent)

OPERATING SYSTEM

Embedded Linux OS
Java™ Virtual Machine (JVM)
AspectFT Runtime Engine



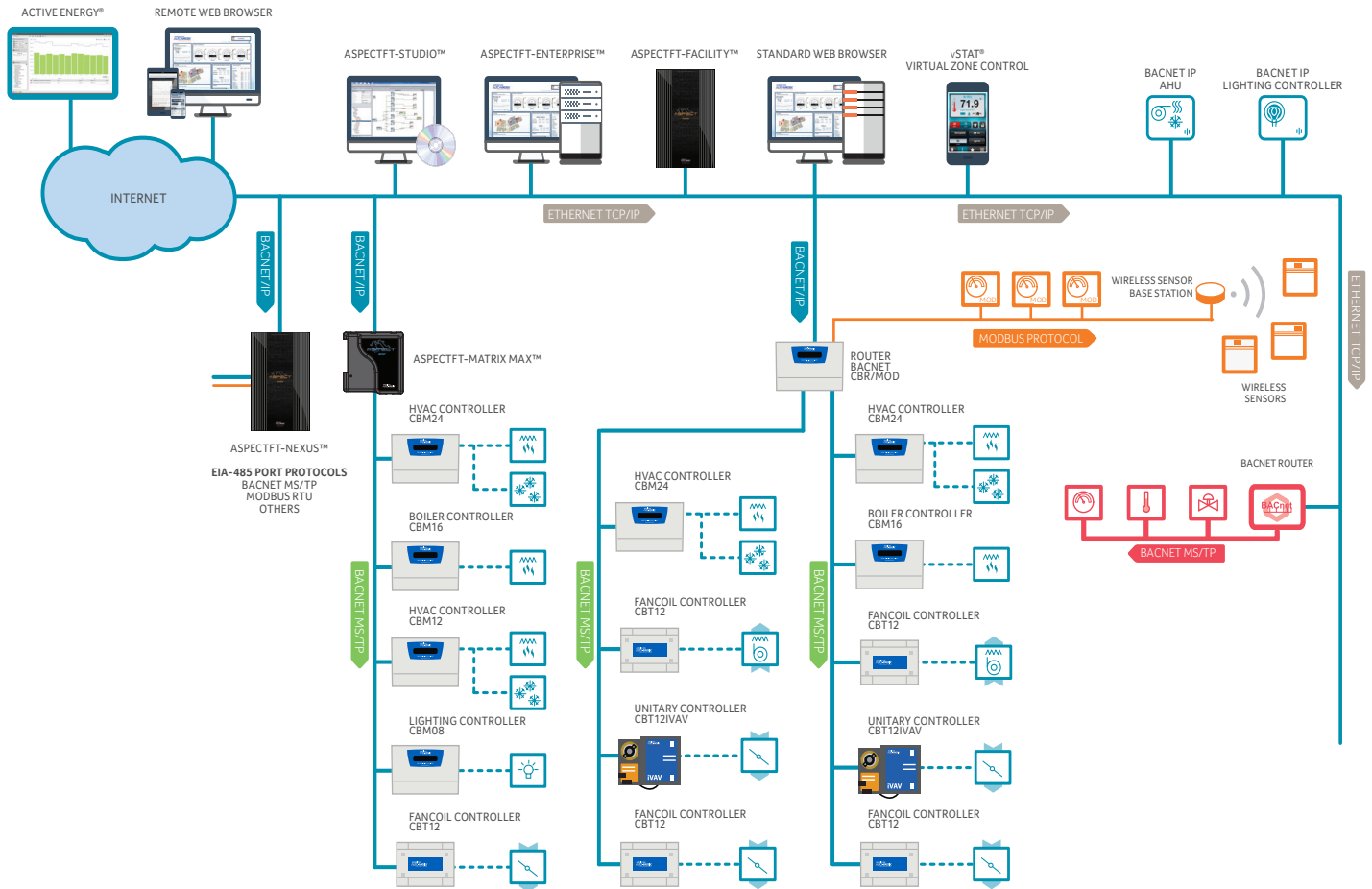
**AMERICAN
AUTO-MATRIX®**
A Cylon Energy Inc. Company

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- Multiple Communication Protocols**
Interacts seamlessly with AAM PUP and BACnet® protocol products, as well as other third-party protocols like Modbus®
- AspectFT Control Engine**
Alarm, trend, energy and schedule management, and custom programming capabilities
- Receive Important Building Information**
AspectFT utilizes everyday web technologies, including email, Twitter®, and common Internet protocols, to provide the end-user more freedom
- HTML5 Integration**
The HTML5 interface is created automatically with no additional effort required. This intuitive HTML5 interface automatically scales to the PCs, smart phones, tablets, and other mobile devices you use every day
- Door Switch**
For tamper-state alarming
- HTML5 & Java-Based GUI**
Site data easily is accessible from all standard web browsers and does not require proprietary software plug-ins
- Schedule & Calendar Implementation**
Interact with iCalendar format tools such as Microsoft® Outlook® 2007, iCal®, Google Calendar™ and other popular programs (maximum of 10 schedules)

for more compatibility, please see the AspectFT-Nexus™ and AspectFT-Facility™ datasheets
- Remote Commissioning Access**
American Auto-Matrix products can be programmed and flash upgraded over IP through this device
- Comprehensive User/Group Security**
Restrict or allow access to myriad of points based on individual or group credentials
- SQLite Support**
Included at no additional cost. 16 GB MicroSD data storage, factory installed

Model	Local Controller Limit	Remote Controller Limit
ASPECT-MAT2-SPO	32 (1 EIA-485 port)	8
ASPECT-MAT2-SPX	64 (1 EIA-485 port)	12
ASPECT-MAT2-DPX	96 (2 EIA-485 ports, 48 each)	16



SPECIFICATIONS

CPU
Processor: ARM Cortex-A8 1 GHz with embedded Linux OS
Memory: 512 MB SDRAM, 2 GB flash

Connections
EIA-485:
Connection Type: 3 position
Termination Count: model dependent - up to 2 connections
Baud Rates: 9.6 / 38.4 / 57.6 / 76.8 / 115.2 kbps
Termination: 249 Ohm - switch selectable
Biasing: 3.32k - switch selectable
LED: indication for TXD, RXD, Byte-Error, Parity-Error
Protocol: license enforced, driver selectable
Network Load: license enforced, up to 64 devices per port

Ethernet:
Connection Type: 1 RJ-45 - 10/100 MB auto-sensing

Setup & Configuration
Software: AspectFT-Studio w/ USB copy protection key & license file
Browser: Standard web browsers that support HTML5 include : Internet Explorer 8/9/10, Firefox, Opera 12, Safari 6, and Google Chrome

Dimensions 6.7" x 6.5" x 1.5"
Power Requirements
Connection / Source: 24 VAC - 50/60 Hz - 1.35 A max

Installation DIN Rail mountable

Operating Conditions
Temperature: 50° F to 104° F (10° C to 40° C)
Humidity: 0 to 80% RH non-condensing

Agency Approvals
CE Approved
FCC, Class A Computing Device; Part 15
UL/cUL Listed, Open Energy Management (PAZX/PAZX7), E95642



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