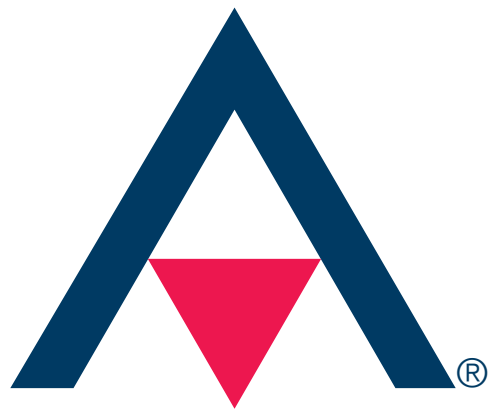


2011 Style Guide





# Table Of Contents

Page 1..... Introduction

Page 2.....Corporate Naming Conventions

Page 3.....American Auto-Matrix Master Logo and Smart Building Solutions®

Page 4.....Master Logo Variants and additional Trademarks

Page 5.....Rocket-A Logo Usage

Page 6.....AAM Product Logos

Pages 7-8.....AspectFT Naming and Logo Usage

Page 9.....SmartOne Logo Naming and Logo Usage

Page 10.....Typography

Pages 11-20...Data Sheet Layout and Contents

Pages 21-30...Brochures and Sales Kits

Pages 31-33...Binders

Page 34.....Letterhead

Page 35.....Business Cards and Email Signatures

Page 36.....Network Broadcasts

Page 38.....Monthly Email Campaign

Page 39.....Promotional Items

Page 40-41.....Notes

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## Introduction

The visual identity of American Auto-Matrix (AAM) is an integral part of its image. The image of the company is expressed not only in the name, logo and colors of its stationery and signage, but in all printed and online material concerning each of the products, as well as the communications between employees, customers, and Solution Integrators. This guide presents the key elements of the AAM corporate visual identity and the guidelines for their use.

In order to be as effective as possible, the visual identity must be consistent. This can only be achieved if the rules and specifications are observed. All communication materials must adhere to the standards set forth in this Corporate Style Guide. No deviation should be made from the standards in this manual without approval from the American Auto-Matrix Marketing Department.

If you have any questions with regard to any of the information presented in this guide, please contact AAM Marketing at 724-733-2000 or by email at [marketing@aamatrix.com](mailto:marketing@aamatrix.com).

## Trademark

AAM visual identities and product names are registered as a trademark. They are protected and cannot be amended or defaced.



## Company Name and Representation

The registered, trademarked, and legal name of the company is:  
Jordan Acquisition Group, LLC D.B.A. American Auto-Matrix

As a registered trademark, the name can appear:  
American Auto-Matrix®  
Auto-Matrix®

American Auto-Matrix has a main tag line:  
Smart Building Solutions®

The company name (tag lines optional) appears this way on business cards, stationery, marketing literature, and all binding communications.

The company can be abbreviated as “AAM” but only after the name American Auto-Matrix (AAM) appears first.

The company main contact information is:  
One Technology Lane  
Export, PA 15632 USA  
Tel: 724-733-2000  
Fax: 724-327-6124  
<http://www.aamatrix.com>

# American Auto-Matrix Master Logo

2011 Style Guide



When an organization has multiple products, it is important to ensure that the branding and visual representation is consistent and strong. This means avoiding multiple conflicting messages and images, including logos. Without a Master Logo, the American Auto-Matrix brand would become diluted and inconsistent.

The position of the Master Logo should always be placed in the lower right hand corner of documents or as a second option in the top left corner. The logo appears on the front of all materials and is not to exceed 30% of the art. The master logo may or may not use the “Smart Building Solutions” Tag (SBS Tag) or Rocket “A”, but must appear on all product documentation, labels, or electronic communication. The master logo also requires the use of the “Registered Trademark Symbol” for both the American Auto-Matrix logo and Smart Building Solution Tag. Examples of logo use are shown in this style guide.

AAM Master Logo:

Flush Left

Registered Trademarks



## Smart Building Solutions®

The tag “Smart Building Solutions” is a registered Trademark of American Auto-Matrix. The “Smart Building Solutions” tag may or may not be used with the American Auto-Matrix master logo. Use of the SBS tag is at the discretion of the project team and or designer. If the tag is used it must be accompanied by a ® symbol when it appears with the AAM Master logo in a document. The tag should be centered under the master logo and may or may not have a shadow behind it. Typically, the tag should be in red (PMS 199) or the CMYK or RGB equivalent shown on page 5. In the case of a colored background where the red version is not clearly visible, a white version may be used.



Note: If the tag “Smart Building Solutions” is to appear as written text it must be accompanied by a ® symbol in its first appearance. After the initial appearance it will appear with initial caps as “Smart Building Solutions” without the ® symbol.



AAM logo on a white background



AAM logo on a blue background



AAM logo on a black background



AAM logo on a gray background

## Additional Trademarks Of AAM

### Solution Integrator®

The term Solution Integrator is a registered Trademark of American Auto-Matrix. While there is no logo for Solution Integrator, the term itself must be accompanied by a ® symbol in the first written appearance in a document. After the first appearance, the term may be abbreviated “SI” or written as Solution Integrator without the ® symbol.

# American Auto-Matrix Rocket-A Logo

2011 Style Guide

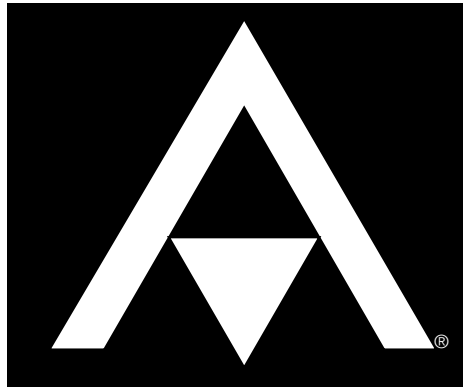


The “Rocket-A” should be accompanied by a Registered Trademark Symbol. This symbol should be used in conjunction with the AAM master logo, and not as a stand alone identifier for AAM. Position of the “Rocket-A” should generally be placed in either the top right hand corner of documents or in the top left corner. The “Rocket-A” should never be used in place of the Master Logo.





® The “Rocket-A” is the primary identifier “bug” for AAM.

## American Auto-Matrix Rocket-A logo Variants



American Auto-Matrix Logo and “Rocket A” Colors

-  PMS 2965  
C100, M38, Y0, K69  
R0, G43, B71
-  PMS 199  
C0, M100, Y65, K0  
R227, G25, B82





# Additional American Auto-Matrix Logos


American Auto-Matrix uses a variety of logos to identify its products and company divisions. While each logo is unique, they each contain elements related to the Master AAM Logo. The following American Auto-Matrix Product Logos use the "Rocket-A". Sizes of these logos can vary.





## American Auto-Matrix Product Logo Colors


 PMS 2965  
C100, M38, Y0, K69  
R0, G43, B71

 PMS 199  
C0, M100, Y65, K0  
R227, G25, B82

 PMS 362  
C76, M0, Y100, K11  
R32, G164, B44

 PMS 145  
C0, M47, Y100, K9  
R210, G132, B0

 PMS 549  
C52, M6, Y0, K25  
R102, G161, B196

 PMS 116  
C0, M15, Y94, K0  
R255, G219, B0



# AspectFT Logo Usage



AspectFT must be written as “AspectFT”. When referring to any of the product variants in writing, it must be written as AspectFT-Matrix, AspectFT-Facility, AspectFT-Nexus or AspectFT-Enterprise. The only exception where AspectFT-XXXX is not used is in the case of Aspect Studio. The first appearance of AspectFT must be accompanied by a ®.

In the case of Multiple AspectFT products, those products should be referred to as Multiple AspectFT-XXX devices.

The position of the AspectFT Master Logo should generally be placed in the center header of data sheets or brochures with the American Auto-Matrix Logo in the upper left corner. As a second option, the AAM Master Logo can appear in the lower right of the document. The AAM Master Logo should be roughly one-quarter size of the AspectFT logo.

## AspectFT Master Logo





Acceptable AspectFT Product Variant logo accompanied by a ®

AspectFT-Enterprise



AspectFT-Facility or AspectFT-Nexus




AspectFT-Matrix




Aspect Studio



AspectFT Product Colors

 PMS 362  
C76, M0, Y100, K11  
R32, G164, B44

 PMS 145  
C0, M47, Y100, K9  
R210, G132, B0

 PMS 549  
C52, M6, Y0, K25  
R102, G161, B196

 PMS 199  
C0, M100, Y65, K0  
R227, G25, B82

# SmartOne Logo Usage

2011 Style Guide

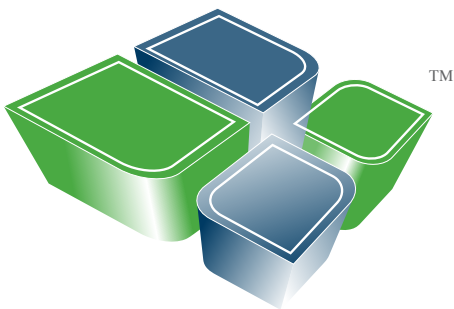


SmartOne is always to be written as “SmartOne” and have a “TM” after the first reference in a document. The product line is never to be referenced as Smart One or Smart Ones. In the case of multiple SmartOne products, those devices should be referred to as SmartOnes, Multiple SmartOne Controls or Multiple SmartOne Devices. In all cases the SmartOne Logo must be accompanied by a “TM”


If the SmartOne logo is used on a white background, the Blue version must be used.




If the SmartOne logo is used on a colored background, the white version can be used.



The SmartOne bug is an identifier that can be associated with or without the SmartOne logo. This identifier cannot be used as a substitute for the logo. When appearing by itself it must be accompanied with a “TM” after the art.

 PMS 362  
C76, M0, Y100, K11  
R32, G164, B44

 PMS 2965  
C100, M38, Y0, K69  
R0, G43, B71



When using approved fonts all fonts should either be 100% Black or 75% Black.

## Avant Garde Family

Used in various AAM logos and labels

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
0123456789

## Gill Sans Family

Can be used in literature and documentation  
Represents the primary font for SmartOne

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
0123456789

## Helvetica Neue Family

Can be used in literature and documentation  
Represents the primary font for AspectFT

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
0123456789

## Glasgow

Can be used in literature and documentation  
Represents the primary font for NB and SBC products

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
0123456789

## Calibri

Can be used in correspondence, letters, mailers or email

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
0123456789

## Trebuchet

Can be used in correspondence, letters, mailers or email

ABCDEFGHIJKLMNOPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
0123456789

## Web Fonts

AAMatrix.com- Lucida Grande, Verdana

BACnet Control- Arial, Helvetica

Online Engineering Applications Guide- Arial, Verdana



American Auto-Matrix has data sheets for all products. These data sheets contain information such as:

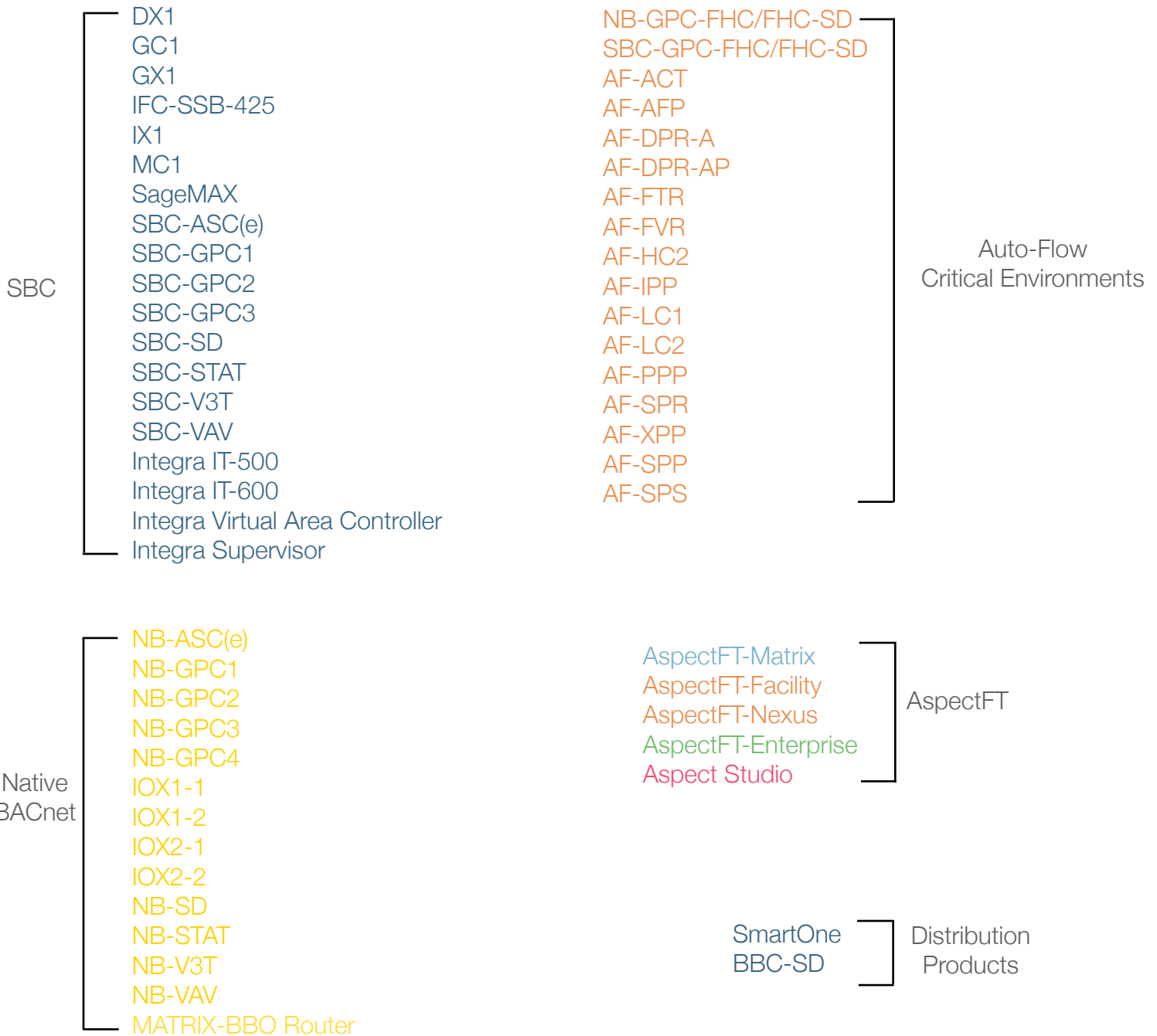
- Company Name
- Product Name
- Overview
- Features
- Images
- System Architecture
- Logos
- Legal Information
- Part Number

The data sheets follow a similar layout (displayed on the following pages) as well as color coordination based on product technology:

- HVAC/PUP - Blue
- Native BACnet - Yellow
- Critical Environments - Orange
- AspectFT - Blue, Green, Orange, Red
- SmartOne - Blue and Green



# Data Sheet Breakdown and Colors



When a data sheet is updated, it needs to be placed on the toolbox, website, and Online Engineering Applications Guide as well as printed and placed in the literature racks.

The data sheet should also be placed in the Production Ready folder. Any previous versions should be moved to an “old” folder within the data sheets folder on the Marketing Drive.



Corporate Logo

Product Name and Description

Product Description and Features

**AMERICAN AUTO-MATRIX**

**SBC-GPC3** *Advanced Applications Controller*

---

**DESCRIPTION**

The ultimate PUP controller, the SBC-GPC3 offers complete stand-alone control as well as full peer-to-peer capabilities with other devices on the same physical PUP network. The flexibility of inputs, outputs and programmable capabilities allows the SBC-GPC3 to be used in a wide variety of applications, including large built up air handling units, central plant control, multiple boilers, optimization, pump control, and load shedding algorithms.

---

**FEATURES**

- Fully programmable and flexible, PUP Network over BA-485
- Can be used in stand-alone and networked applications
- Easy configuration and over-the-network firmware flash updates via SoloPro commissioning environment
- Inputs and Outputs updated up to 10 times per second
- User-defined custom programming capabilities
- Self-diagnostic circuits and LED indicators for device status and troubleshooting
- I/O count can be expanded via Statbus technology
- Thermostatic, PID, and Motor Control Logic Loops for Output Control
- Advanced Math and Logic objects to eliminate complex custom programming
- Up to 24 UIs, 12 AOs, 12 DOs, 8 DI
- 8 File Regions (custom programming or LOGO files)
- Shipped with no on-board I/O, serving as a programming platform for applications using SSB-IOX modules



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**American Auto-Matrix STATbus™ Technology**

STATbus is American Auto-Matrix's innovative sensor networking technology. STATbus is an open-topology network protocol that allows flexible connection of up to thirteen I/O devices per channel using a single non-polar, twisted pair cable. This provides unprecedented flexibility in the installation and wiring of I/O sensors and devices to the SBC-GPC3. Substantial saving can be realized in both wiring and installation costs as compared to conventional sensors because sensors can be wired together in an open topology. Also, STATbus uses digital communications signals, giving it a higher level of noise immunity than conventional, analog sensors.

**The GPC3 STATbus**

Caution: improper wiring will cause damage. Refer to Manual.

SSB ACTIVITY			
IOX1	IOX2	IOX3	IOX4
SSB COM1 I2 0100 000000 0100 000000	SSB COM1 I2 0100 000000 0100 000000	SSB COM1 I2 0100 000000 0100 000000	SSB COM1 I2 0100 000000 0100 000000

- Twenty-four Universal Inputs
- Eight Digital Inputs
- Twelve Analog Outputs
- Twelve Digital Outputs

SBC-GPC3

Advanced Applications Controller

AMERICAN AUTO-MATRIX

SMART BUILDING SOLUTIONS™

13



Corporate Logo

Product Name and Description

Product Detail

Product Specifications

Contact Info

Agency Listings

Legal Info

**AMERICAN AUTO-MATRIX SBC-GPC3 Advanced Applications Controller**

**THE SBC-GPC3 CONTROLLER**

**STATbus Expansion Units**

- Up to 24 Additional Universal Inputs
- Up to 8 Additional Digital Inputs
- Up to 12 Additional Analog Outputs
- Up to 12 Additional Digital Outputs

**SOX Modules**

<b>One (1) Universal Input</b> SSB-011 SSB-001 SSB-002 • Resistance: - 0-5 VDC - 0-10 VDC, 0-20mA • No External Power Supply Needed	<b>One (1) Digital Output (Relay)</b> Two (2) Digital Outputs (Relay) • Max Load Up to 30 A up to 250 VAC/DC
<b>One (1) Universal Input</b> SSB-003 SSB-001-4 SSB-002-4 • Resistance: - 0-10 VDC - 0-20mA • Requires External Power Supply • Lockout power available for powered sensors	<b>One (1) Dry Contact Input</b> One (1) Moist Output (Relay) Two (2) Dry Contact Inputs Two (2) Digital Outputs (Relay) • Max Load Up to 30 A up to 250 VAC/DC
<b>One (1) Analog Output</b> SSB-A01 SBC-STAT • 0-10 VDC into One (1) kW Load • 0-20mA into 250 kW Load	<b>STAT1-0, STAT2-0, STAT3</b> • Direct Digital Sensor (STAT1-0, STAT2-0, STAT3, RH1, RH2, RH3)
<b>One (1) Digital Input</b> SSB-011 • Operated Every 100 ms • Measures Pulse width as small as 50 ms	

**SPECIFICATIONS - SBC-GPC3**

Mounting	Terminations	Input Supply	Terminations
Flat surface with screws	Pluggable terminal blocks for inputs, outputs, power and network connections for 18-22 gauge wire	Line Input: 22 to 27WAC, 50-60Hz @ 2.65A rms, FIC protection Transformer: Internal isolated switching power supply Indicators: LEDs for line power, regulated DC voltages	Analog Outputs: 0-10VDC into 1kW load or 0-20 mA into 250W load Digital Outputs: Able to switch 10-25 Vrms 50/60Hz @ 1A resistive or inductive load Digital Outputs provide varistor protection
Input Supply	Operating Environment	Agency Listings	
Overall Size: 8.2 x 6.5 x 1.0 in. (208.3 x 165.1 x 25.4 mm) Shipping Weight: 3 lbs. (1.36 kg)	Operating temperature: 32 to 122 F (0 to 50 C) Storage temperature: -40 to 158 F (-40 to 66 C) Relative humidity: 0 to 80% RH non-condensing	UL listed 916, Management Equipment, Energy (9920) FCC rules Part 15 Class B computing Device UL Recognized 873, Component Temperature Indicating and Regulating Equipment Complies with CE directives and standards	

American Auto-Matrix is a Service-Disabled Veteran-Owned Small Business / Woman-Owned Business HCCR Cage #A118D1  
 One Technology Lane Export, Pennsylvania 15632-8903 USA Tel (1) 877-AAM-HWAC Fax (1) 724-327-6124  
 Email: aam@aamatrix.com On the Web: www.aamatrix.com

UL LISTED CE

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Corporate Logo

Product Name and Description

Product Description and Features



## NB-GPC1 Advanced Applications Controller

DESCRIPTION

As a member of the GPC Product Family, the NB-GPC1 is a fully programmable, networkable, and expandable BACnet Advanced Application Controller (B-AAC). The device is designed to provide hardware and software flexibility using onboard I/O and STATbus - AAM's innovative sensor networking technology.

The NB-GPC1 can be used in a wide variety of applications that require stand-alone control, as well as full peer-to-peer capabilities with other devices on the BACnet network. The hardware platform includes status LEDs for power, communications, output status, and other features helpful for field usage. All NB-GPC products comply with the ANSI/ASHRAE BACnet Standard and are BTL-listed as B-AAC profile devices.

FEATURES

*GPC Technology features built-in logic blocks that enable you to create and implement functional and scalable program routines without having to write a single instance of line-by-line programming.*

- **10 BACnet Schedule objects and 4 BACnet Calendar objects**
  - Supports dynamic and flexible weekly and exception scheduling control.
- **4 Notification Class objects**
  - Define destinations to where object alarms and events are sent.
- **16 PID Loop objects**
  - Provides standard closed loop analog control with flexible setpoint scheduling.
- **24 Thermostatic Loop objects**
  - Provides closed loop, thermostatic (on/off) control with seasonal and schedule control.
- **6 Pulse Pair PID Loop objects**
  - Provides closed loop paired-output control with flexible setpoint scheduling.
- **8 Math objects**
  - Add, Subtract, Multiply, Divide, Min, Max, and Average.
- **16 Logic objects**
  - Provides general Boolean logic operations.
- **12 Min/Max/Average objects**
  - Provides min, max, and average values.
- **4 Enthalpy objects**
  - Provides dedicated Enthalpy calculation.
- **12 Scaling objects**
  - Provides linear interpolation between two defined scales and outputs the result.
- **12 Input Select objects**
  - Provides the ability to choose "one or other" based on built-in Boolean logic.
- **4 Staging objects**
  - Supports for up to 8 stages each with runtime usage, lead lag, and other features.
- **32 Remap objects**
  - Provides support for re-directing values within internal logic.
- **8 Netmap objects**
  - Supports reading and writing information to/from other BACnet devices.
- **8 Broadcast objects**
  - Provides support for transporting key data to multiple devices and networks.
- **1 Comm Status object**
  - Provides the ability to allow custom operations based on network health.
- **1 Season object**
  - Used to determine summer/winter modes for seasonal setpoint control on loops

**SPL Line By Line Programming Support**

- **8 SPL Program Regions**
  - 8kb per program - provides BASIC-style programming capabilities.

**Data Storage**

- **Analog Value and Binary Value objects**
  - 24 of each type supported with alarming and command prioritization support.



NB-GPC1

Advanced Applications Controller

AMERICAN AUTO-MATRIX®

SMART BUILDING SOLUTIONS®

15



Corporate Logo

Product Name and Description

**AMERICAN AUTO-MATRIX NB-GPC1 Advanced Applications Controller**  
**THE NB-GPC1 CONTROLLER**

**Twelve (12) Universal Inputs**

- 24 Bit Resolution
- Can be Programmed:
  - 0 to 5 VDC
  - 0 to 10 VDC
  - 0 to 20mA
- Scaled Linear or Thermistor

**Six (6) Analog Outputs**

- 12-bit Resolution
- Jumper Selectable
- 0 to 10 VDC @ 20 mA Current
- 0 to 20 mA Jumper Selectable

**One (1) Digital Input**

- 5 to 29 V DC Opto-Isolator
- 20 Pulses/sec.

**Three (3) STATbus Ports**

**Six (6) Digital Outputs**

- 6-30 VAC, 50/60 Hz
- 1 Amp
- Opto-Isolated Triac
- HAO Switch with Diagnostic Feedback
- Varistor Protection

**IOX Modules**

<p><b>One (1) Universal Input</b> SSB-UI1</p> <ul style="list-style-type: none"> <li>• Resistance:               <ul style="list-style-type: none"> <li>• 0-5 VDC</li> <li>• 0-10 VDC, 0-20mA</li> </ul> </li> <li>• No External Power Supply Needed</li> </ul>	<p><b>SSB-DO1</b> One (1) Digital Output (Relay)</p> <ul style="list-style-type: none"> <li>• Max Load Up to 10 A up to 250 VAC/DC</li> </ul>
<p><b>One (1) Universal Input</b> SSB-UI2</p> <ul style="list-style-type: none"> <li>• Resistance:               <ul style="list-style-type: none"> <li>• 0-10 VDC</li> <li>• 0-20mA</li> </ul> </li> <li>• Requires External Power Supply</li> <li>• Excitation power available for powered sensors</li> </ul>	<p><b>SSB-DO2</b> Two (2) Digital Outputs (Relay)</p> <ul style="list-style-type: none"> <li>• Max Load Up to 10 A up to 250 VAC/DC</li> </ul>
<p><b>One (1) Analog Output</b> SSB-AO1</p> <ul style="list-style-type: none"> <li>• 0-10 VDC into One (1) kW Load</li> <li>• 0-20mA into 250 kW Load</li> </ul>	<p><b>SSB-DO3</b> One (1) Dry Contact Input</p> <p><b>SSB-DO4</b> One (1) Digital Output (Relay)</p> <p><b>SSB-DO5</b> Two (2) Dry Contact Inputs</p> <p><b>SSB-DO6</b> Two (2) Digital Outputs (Relay)</p> <ul style="list-style-type: none"> <li>• Max Load Up to 10 A up to 250 VAC/DC</li> </ul>
<p><b>One (1) Digital Input</b> SSB-DI1</p> <ul style="list-style-type: none"> <li>• Updated Every 100 mS</li> <li>• Measures Pulse width as small as 50 mS</li> </ul>	<p><b>SBC-STAT</b> 1 Digital Temp and/or Humidity Input</p> <ul style="list-style-type: none"> <li>• Direct Digital Sensor (STAT1-D, STAT2-D, STAT3, RH1, RH2, RH3)</li> </ul>
	<p><b>SSB-IOX1</b> Multiple I/O</p> <ul style="list-style-type: none"> <li>• 4UR, 1DR, 2AO, and 2DO</li> </ul>

**STATbus Expansion Limits**

- Up to 32 Additional Universal Inputs
- Up to 7 Additional Digital Inputs
- Up to 6 Additional Analog Outputs
- Up to 6 Additional Digital Outputs

**SPECIFICATIONS - NB-GPC1**

Processor	Terminations	Input Supply	Outputs
<ul style="list-style-type: none"> <li>- High-speed 32-bit processor</li> </ul>	<ul style="list-style-type: none"> <li>- Pluggable terminal blocks for inputs, outputs, power and network connections for 18-22 gauge wire</li> <li>- Communication baud rates: 9.6, 19.2, 38.4, 57.6, 76.8, 115.2 kbps</li> </ul>	<ul style="list-style-type: none"> <li>- Line Input: 22 to 29VAC 50-60Hz @ 4.36A max, PTC protection</li> <li>- Transformer: Internal isolated switching power supply</li> <li>- Indicators: LEDs for line power, regulated DC voltages</li> </ul>	<ul style="list-style-type: none"> <li>- Analog Outputs: 0-10VDC into 1kW load or 0-20 mA into 250W load</li> <li>- Digital Outputs: Able to switch 10-29Vrms 50/60Hz @ 1A resistive or inductive load</li> <li>- Digital outputs provide varistor protection</li> </ul>
Dimensions/Mounting	Operating Environment	Agency Listings	
<ul style="list-style-type: none"> <li>- Overall Size: 8.2 x 6.5 x 1.0 in. (20.83 x 16.51 x 2.54 cm)</li> <li>- Shipping Weight: 1.4 lbs. (0.64 kg)</li> <li>- Flat surface with screws</li> </ul>	<ul style="list-style-type: none"> <li>- Operating temperature: 32 to 122°F (0 to 50°C)</li> <li>- Storage temperature: -40 to 151°F (-40 to 66°C)</li> <li>- Relative humidity: 0 to 80% RH non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>- UL listed 916, Management Equipment, Energy (PAP20)</li> <li>- FCC rules Part 15 Class B computing Device</li> <li>- UL Recognized (R7), Component-Temperature Indicating and Regulating Equipment</li> <li>- Complies with CE directives and standards</li> </ul>	

American Auto-Matrix is a Service-Disabled Veteran-Owned Small Business / Woman-Owned Business (CCR Cage #41180)

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Email: aam@aamatrix.com On the Web: www.aamatrix.com

**Agency Listings**

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Product Detail

Product Specifications

Contact Info

Agency Listings

Legal Info



Product Logo

Product Name and Description

Product Description and Features

AUTO-FLOW

NB-GPC<sup>™</sup>FHC · FHC-SD

BACnet Fume Hood Controller and Small Display


**DESCRIPTION**

The NB-GPC<sup>™</sup> in combination with the FHC-SD color touch-screen local User Interface offers unprecedented technology combined with flexibility of control found nowhere else in the industry today. Through utilizing the NB-GPC<sup>™</sup>, fume hoods can now be configured to support either Face Velocity or Sash Position methods through a single BACnet<sup>®</sup> controller. In addition, flexibility is expanded through the use of the FHC-SD, a color touch-screen display that offers multiple levels of configurability and accessibility; designed to give users security and safety on a highly visible, live local user interface.

**NB-GPC<sup>™</sup> FEATURES**

**The NB-GPC-FHC is a Native BACnet control utilizing American Auto-Matrix GPC technology**


- Patented closed loop control based on measured face velocity technology or control based on popular venturi-type valves and sash area calculations
- Microprocessor-based DDC control system utilizing tunable high speed PID (Proportional, Integral, Derivative) Control Algorithms
- High speed PID algorithms calculate control outputs every 50ms
- Can be used in a stand-alone or Networked environment
- Programmable occupancy set points allow target face velocity to be lowered when the hood is not in use
- Pluggable wiring connections
- Pre-programmed function blocks improve application reliability
- BACnet MSTP communication over twisted pair (EIA 485) wire; up to 115.2k Baud (Current BACnet standard allows for up to 76.8K)
- Plug and play flow totalization for flow offset control
- Digital output allows the incorporation of external alarming
- Supports non-linear input and output curves for seamless third party sensor/damper integration
- Two stage programmable high / low alarms
- Battery backup real-time clock and configuration data
- In emergency mode controller drives to preconfigured output state
- Supplied with approved, lockable enclosure



FHC Dedicated Inputs and Outputs	
<b>5 Dedicated Inputs:</b> 16 bit resolution, 0-5VDC, 0-10VDC, 0-20mA, 0-250K Ohms	1 Face Velocity Input 1 Exhaust Flow Input 1 Fume Hood Air Valve Pressure Input 1 Emergency Input (Dry Contact) 1 Sash Position Input
<b>1 Dedicated Serial Input</b>	Cascade Flow Input
<b>1 Dedicated Analog Output:</b> 0-10VDC, 0-20mA	Exhaust Flow Damper Output
<b>1 Dedicated Digital Output:</b> 10-27VAC, 3A, Opto-isolated triac	Alarm Device Output
<b>1 Dedicated Serial Output</b>	Cascade Flow Output
<b>1 Expansion Digital Input (Optional)</b>	Hood Presence Input (Dry Contact)

**The FHC-SD and Alarming**

The FHC-SD allows for two-staged alarming, notifying users of a potential problem through visual and audible alarms. Should a preset "low/high-limit" be reached, the display will begin to flash yellow and emit a 3 second pulsing alarm from the display as a caution to the hood operator. Should an extreme "low/high-limit" alarm occur, the display then will go into emergency override, displaying a red flashing background and emitting a constant pitch alarm from the display, while also forcing the controller to activate the preset emergency procedure; which may also include audible and visual alarms through the BACnet network.



NB-GPC<sup>™</sup>FHC

BACnet Fume Hood Controller and Small Display

AMERICAN AUTO-MATRIX

CENTRIFUGAL ENVIRONMENTALS



Corporate Logo

Product Detail

**AUTO-FLOW<sup>®</sup> NB-GPC<sup>FHC</sup> · FHC-SD** BACnet Fume Hood Controller and Small Display

**FHC-SD FEATURES**

- Displays measured or calculated face velocity (through face velocity sensors or sash position)
- 12 Bit Color, 272 x 480 pixel LCD-based Touch Screen Local User Interface for displaying and modification of information specific to the NB-GPC<sup>FHC</sup>
- Intuitive screen calibration
- Depending on the specification requirement users can now choose between a green home screen or a white home screen.
- Features local setpoint and alarm set-up
- User friendly multi-tiered icon driven screens
- Step by step calibration wizards simplify FHC-SD set up
- Multi-level numerical password based access protection
- Non-volatile memory stored on FHC for backup and cloning over the EIA-485 network
- Local alarm initiation and BAS visibility
- Visible and audible multistage alarming capabilities for high, low, extreme high and extreme low values of several parameters
- Cancel alarm commands require authorized user
- Set-up can be accomplished in either English or Metric units
- Chemical resistant 'Kydex' plastic case, mountable on both US and Euro switch boxes \*P-44 Available upon special Request
- A chemically resistant polyester membrane protects the Touch Screen from accidental chemical splashes
- Flash program upgradability through use of standard SD/MMC card port
- Store debugging information on one SD/MMC card for multiple hood applications



AMM Products and Systems are manufactured and installed under one or more of the following US Patents and/or others that may apply: 5481378; 5764579; 6277199; 5402687; 5425581

**SPECIFICATIONS - NB-GPC<sup>FHC</sup>**

Mounting	Terminations	Input Supply
- Flat surface with screws	- Plugable terminal blocks for inputs, outputs, power and network connections for 18-22 gauge wire	- Line Input: 22 to 29 VAC 50/60Hz @ 4.36A max. PLE protection - Transformer: Internal isolated switching power supply - Indicators: LEDs for line power, regulated DC voltages

Operating Environment	Dimensions
- Operating temperature: 32 to 122 F (0 to 50 C) - Relative humidity: 0 to 80% RH non-condensing	- Overall Size: 8.2 x 6.5 x 1.0 in. (20.83 x 16.51 x 2.54 cm.) - Shipping Weight: 1 lb. (1.36 kg.)

**SPECIFICATIONS - FHC-SD**

Processor	Display	Touchscreen	Local Memory Storage
- High speed 32-bit processor running at 86 Mhz	- Sharp LQ043 - Backlit, 9.16 widescreen TFT color LCD - 272 x 480 pixels	- Custom fitted to match the LQ043 display	- 8MB Intel on board flash chip

SRAM	Alarm Buzzer	Features	SD/MMC Card Socket	Dimensions
- 1MB RAM chip	- Self contained piezo buzzer	- Report software buttons - Reset button	- Supports 2GB storage capacity	- Overall Size: 6.8 x 3.4 x 1.0 in. (17.24 x 8.64 x 2.54 cm.) - P-44 Available upon special request

American Auto-Matrix is a Service-Disabled Veteran-Owned Small Business / Woman-Owned Business (CCR Cage #41180)

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Email: aam@aamatrix.com On the Web: www.aamatrix.com



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Patent Information

Product Specifications

Contact Info

Agency Listings

Legal Info



AspectFT Header

**AMERICAN AUTO-MATRIX**  
Building Automation Solutions

# ASPECT

## MATRIX

**AspectFT-Matrix Area Controller**

**Hardware Specification**  
 ARM 920T Processor  
 NEMA Rated Enclosure, Lockable  
 Optional Integrated 56K Modem

**Communications**  
 10/100 Mb Ethernet Port – RJ-45 Connection  
 1 or 2 EIA-485 Ports (model dependent) with pluggable terminal blocks  
 128MB RAM

**Operating System**  
 Embedded Linux OS  
 Java Virtual Machine (JVM)  
 AspectFT Runtime Engine

CE RoHS FC ETL

**Description**

The AspectFT-Matrix Area Controller is a base hardware platform designed to provide flexible area control applications to a building automation system. Through use of AAM's Facilitating Technology (FT), AspectFT, the AspectFT-Matrix Area Controller can provide traditional control features such as alarming, trending, scheduling, and extensive custom programming. Also included are next-generation 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**

- Interacts seamlessly with American Auto-Matrix PUP and BACnet protocol products, as well as other third-party protocols such as Modbus.
- Provides alarm, trend, schedule, energy management, and custom program sequencing capabilities.
- Java-based graphical user interface, accessible from most standard web-browsers and does not require proprietary software plug-in.
- Comprehensive user and group-based security.
- Master Schedule and Calendar implementation – can interact with iCalendar format tools such as Microsoft Outlook 2007, Google Calendar, and other popular programs. Maximum of 10 schedules recommended.
- Licensed to communicate between up to four Matrix Area Controllers via the FTNet protocol.
- AAM products can be programmed and flash updated over IP through this AspectFT device.
- SQLite, USB accessed licensable Local Storage Option

Product Specifications

Product Description and Features

\* AspectFT Data Sheets require that Product Color be used for Each Variant of Data Sheet



AspectFT  
Product  
Part  
Numbers

Product  
Detail /  
Architecture  
and  
Specifications

Contact  
Info

Agency  
Listings

**Continued Features**

Model	RS-485 Ports	Device Limit	Port Limit
MATRIX-SPO*	1	32	32
MATRIX-SPX*	1	64	64
MATRIX-DPO*	2	64	32
MATRIX-DPX*	2	128	64

\*-M: Integrated 56k modem variants available for dial in connectivity for:

- AAM Engineering Tool access to network controllers
- Project web page viewing
- Project deployment

**NOTE:** Depending on project size and resource load, modem access may involve less than desirable response times.

**Matrix License Upgrade Options**

Part Number	Description
MATRIX-UPGR-SP64	Matrix SPO License Upgrade – upgrades SPO hardware model to 64 devices max (32 per port)
MATRIX-UPGR-DP128	Matrix DPO License Upgrade – upgrades DPO hardware model to 128 devices max (64 per port)
MATRIX-FTNET-EXP	License expansion to support communications to an additional 5 Aspect FTnet devices. Limited one expansion per FTNet devices.
MATRIX-LCL-STW	SQLite Factory licensed local storage option. Requires dedicated USB Flash Drive (Not included)

**System Architecture**

**Specifications**

Connections	CPU	Dimensions
<ul style="list-style-type: none"> <li>Connection Type: 3 position</li> <li>Termination Count: model dependent, up to 2 connections</li> <li>Rated Rates: 2.5kbps, 10.2kpbs, 38.4kpbs, 57.6kpbs, 76.8kpbs, 115.2kpbs</li> <li>Termination: 248 Ohm, switch selectable</li> <li>Bauding: 3.3V, switch selectable</li> <li>LED indicator for TXD, RXD, Byte-Error, Parity-Error</li> <li>Protocol: Linear infrared, driver selectable</li> <li>Network: each license entitles, up to 64 devices per port.</li> </ul>	<ul style="list-style-type: none"> <li>Processor: ARM9 with embedded Linux OS</li> <li>Memory: 128MB SDRAM, 128 MB Flash</li> </ul>	<ul style="list-style-type: none"> <li>14" x 11" x 3.0"</li> </ul>
<ul style="list-style-type: none"> <li>Termination Count: 1 connection</li> <li>Connection Type: RJ-45, female</li> <li>Speed: 10/100/10 auto-sensing</li> </ul>	<ul style="list-style-type: none"> <li>Power Requirements</li> <li>Connection: 2 position</li> <li>Power Source: 11-29 VAC/VDC, 50/60Hz, 2.7A max</li> </ul>	
<ul style="list-style-type: none"> <li>Software: Aspect Studio with USB Copy Protection Key and License file</li> <li>Browser: Windows Internet Explorer v7.0 or later, Mozilla Firefox v3.0 or later, Apple Safari v3.2 or later, Google Chrome v1.0 or later</li> </ul>	<ul style="list-style-type: none"> <li>Operating Conditions</li> <li>Temperature: 20-122°F (0-50°C) ambient</li> <li>Humidity: 0-90%, non-condensing</li> <li>Altitude: -5000 to +10,000 ft. (-665 to 3500m)</li> </ul>	
	<ul style="list-style-type: none"> <li>Agency Approvals</li> <li>CE Approved</li> <li>FCC Class A Computing Device, Part 15</li> <li>UL Listed 916, Management Equipment, Energy (PAPC)</li> <li>UL Listed E71, Component Temperature-Indicating &amp; Regulating Equipment (SAPC)</li> <li>UL Listed, Component Temperature-Indicating &amp; Regulating Equipment for Canada (SAPC)</li> </ul>	

**American Auto-Matrix is a Service-Disabled Veteran-Owned Small Business / Woman-Owned Business (CCR Cage #4LL80)**

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 Email: aam@aamatrix.com Web: www.aamatrix.com

**Part No. 1E-05-00-0131**

# Brochures and Sales Kits



American Auto-Matrix brochures offer information on the company, products, and technologies. Currently, AAM has the following active brochures:

- Corporate
- System Architecture
- Critical Environments
- GPC & STATbus
- STATs
- AspectFT
- SmartOne

AAM Controls brochures and Corporate Brochures follow an 8.5 X 11 finished size and contain the following:

- Company Name
- Brochure Title
- AAM Technologies
- Company Values
- Tag Line
- General Brochure Info
- Affiliate Logos
- Contact Info
- Legal Info

AAM AspectFT Brochures and SmartOne Brochures offer the same information but are presented in a different form. The AspectFT brochure has a finished size of 7.75 X 10 and the SmartOne Brochure has a finished size of 9 X 6.



Corporate Identity

**AMERICAN  
AUTO-MATRIX®**

HYDRA CONTROL ACCESS CONTROL CRITICAL ENVIRONMENTS

Technologies



PROVIDING SMART BUILDING SOLUTIONS FOR OVER 25 YEARS

DURABLE FUNCTIONAL FLEXIBLE

• **Smart Building Solutions**

Brochure Title





## Smart Building Solutions

At American Auto-Matrix®, we believe in providing Smart Building Solutions®. We chose this tag line deliberately and thoughtfully, and we take it seriously. “Smart” means our products are designed to think like people, not like machines. “Building” originates from our focus on relationships. “Solutions” reflects our many technological innovations and unparalleled support.

Critical Environments  
Patent Info  
(Must be on all C.E.  
Materials)



American Made • American Owned

[www.aamatrix.com](http://www.aamatrix.com)

American Made,  
American Owned Logo

AAM Products and Systems are manufactured and installed under one or more of the following US Patents and/or others that may apply. 5481919; 5764579; 6272399; 5402687; 5415583

Corporate Headquarters: One Technology Lane Export, PA 15632 Phone: 724-733-2000 Fax: 724-327-6124

Contact  
Info

Warning: Appropriate safety precautions must always be taken when operating or maintaining equipment connected to any American Auto-Matrix product or other Licensed Materials or Hardware. AAM assumes no responsibility or liability for any injuries or damage to any persons or property resulting from the use of these products. As always, these products should be used in the manner they are intended.

American Auto-Matrix, the American Auto-Matrix logo, the Rocket A and Smart Building Solutions are registered trademarks of American Auto-Matrix. Windows is a registered trademark of the Microsoft Corporation. Modbus is a trademark of Schneider Electric. OPC is a trademark of the OPC Foundation. BACnet is a registered trademark of ASHRAE. BTL is a registered trademark of BACnet International. Niagara and NiagaraAX Framework are registered trademarks of Tridium, Inc.

Legal



Centered Logo  
with "TM" and  
reflection



Building Integration with the Power of the Internet

Brochure description



AAM Corporate Logo



Centered Logo  
with "TM" and  
reflection



Made in the U.S.A.

American Made • American Owned  
[www.aamatrix.com](http://www.aamatrix.com)

American Made,  
American Owned Logo

- \* Outside edges of these brochures are to be rounded.
- \* Contact and legal info is on the inside of the brochure.



Brand Logo with TM and bug icon



Product tag line



AAM Corporate Logo

**AMERICAN  
AUTO-MATRIX<sup>®</sup>**  
SMART BUILDING SOLUTIONS<sup>®</sup>

  
Made in the U.S.A.

American Made • American Owned

American Made, American Owned Logo

American Auto-Matrix • One Technology Lane • Export, PA • 15632 • Telephone (1) 724-733-2000 • Toll Free 1-877-226-4822 • Fax (1) 724-327-6124 • [www.aamatrix.com](http://www.aamatrix.com) • [aam@aamatrix.com](mailto:aam@aamatrix.com)  
[www.bacnetcontrol.com](http://www.bacnetcontrol.com)

Contact Info

\* Corners of this brochure are square.  
\* Legal info is on the inside of the brochure.



American Auto-Matrix offers 4 sales kits:

- AAM Corporate BACnet Sales Kit
- AAM Corporate PUP Sales Kit
- AspectFT sales kit
- SmartOne Sales kit

These sales kits include:

- Clear Plastic Pocket Folder
- Relevant Brochure(s)
- Relevant Product Data Sheets (\*where applicable)
- Advertisements or Awards
- Front and Back respective sales kit cover

AAM BACnet Sales Kit:

- Corporate Brochure
- System Architecture Brochure
- GPC & STATbus Tech Brochure
- System Architecture Brochure
- Critical Environments Brochure
- AspectFT Brochure
- NB-GPC1 Data Sheet\*
- NB-GPC2 Data Sheet\*
- NB-GPC3 Data Sheet\*
- NB-GPC4 Data Sheet\*
- NB-ASC(e) Data Sheet\*
- NB-VAV Data Sheet\*
- NB-V3T Data Sheet\*
- NB-Pro Data Sheet\*
- NB-SD Data Sheet\*
- NB-GPCFHC and FHC-SD Data Sheet\*
- Relevant Case Studies

AspectFT Sales Kit:

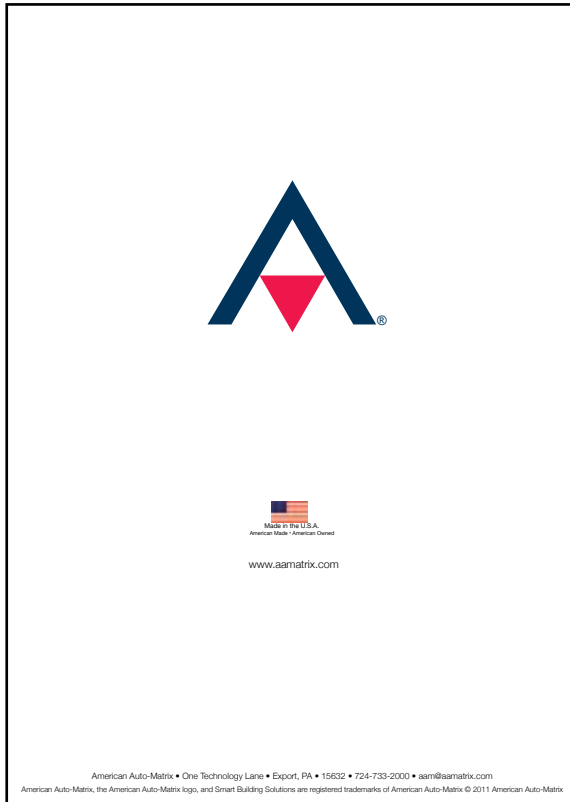
- AspectFT Brochure
- Aspect Studio Data Sheet
- AspectFT-Enterprise Data Sheet
- AspectFT-Facility Data Sheet
- AspectFT-Nexus Data Sheet
- AspectFT-Matrix Data Sheet

AAM PUP Sales Kit:

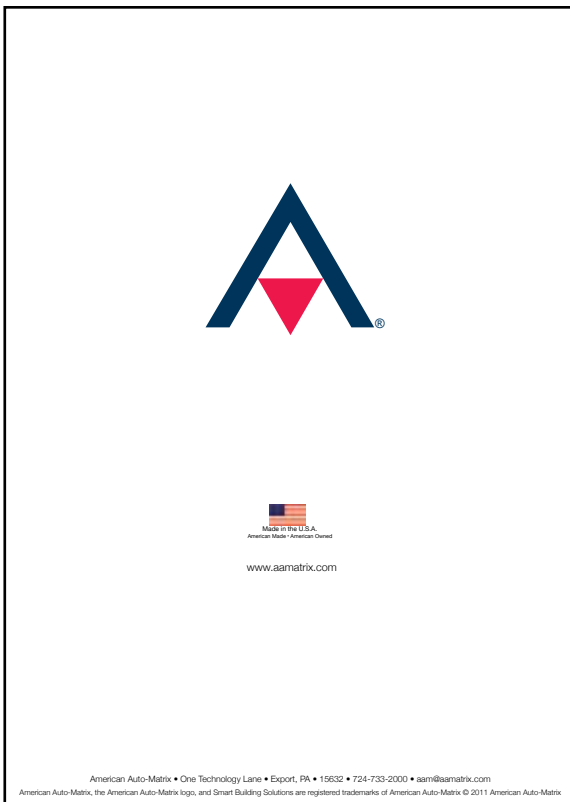
- Corporate Brochure
- System Architecture Brochure
- GPC & STATbus Tech Brochure
- System Architecture Brochure
- Critical Environments Brochure
- AspectFT Brochure
- SBC-GPC1 Data Sheet\*
- SBC-GPC2 Data Sheet\*
- SBC-GPC3 Data Sheet\*
- SBC-ASC(e) Data Sheet\*
- SBC-VAV Data Sheet\*
- SBC-V3T Data Sheet\*
- SoloPro Data Sheet\*
- SBC-SD Data Sheets\*
- SBC-GPCFHC and FHC-SD Data Sheet\*
- Relevant Case Studies

SmartOne Sales Kit:

- SmartOne Brochure
- SMT-ASCFC Data Sheet
- SMT-ASCHP Data Sheet
- SMT-ASCRT Data Sheet
- SMT-ASCVR Data Sheet
- SMT-ASCVT Data Sheet
- Configuration Wizard Data Sheet
- BBC-SD Data Sheet
- Matrix-BBO Data Sheet
- SMT-Link Data Sheet
- SBC-STAT Data Sheet



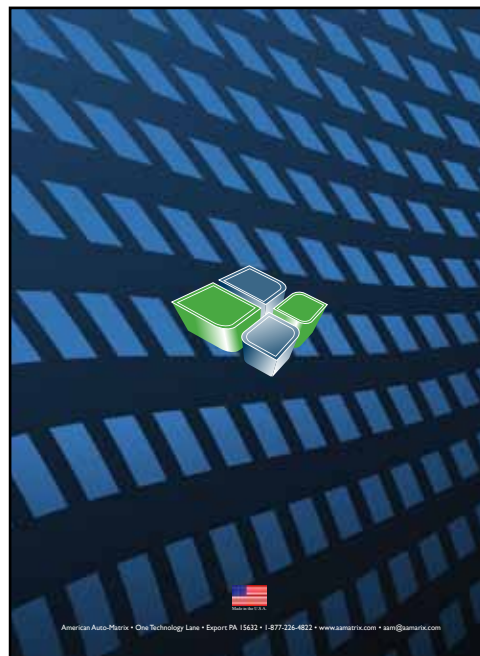
American Auto-Matrix Sales Kit Covers  
Please refer to contents of this sales kit on page 28



American Auto-Matrix BACnet Sales Kit Covers  
Please refer to contents of this sales kit on page 28



AspectFT Sales Kit Covers  
Please refer to contents of this sales kit on page 28



SmartOne Sales Kit Covers  
Please refer to contents of this sales kit on page 28

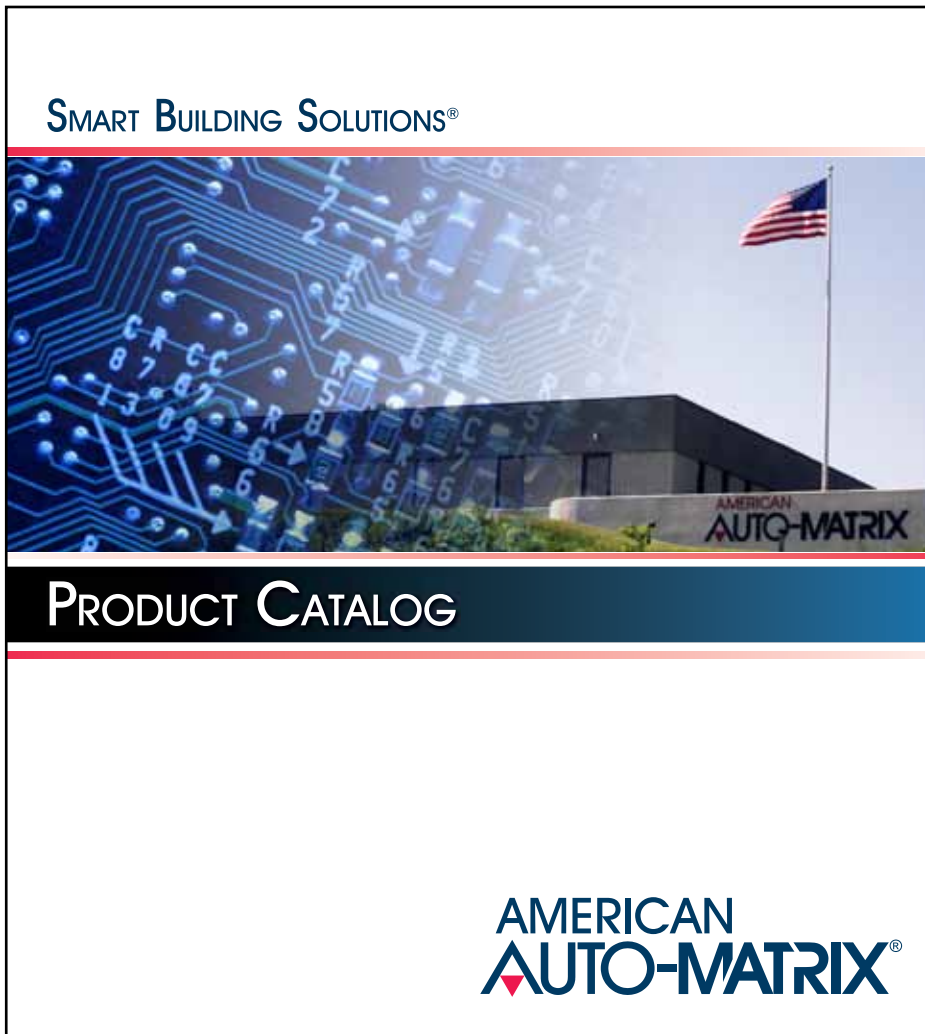




American Auto-Matrix offers binders that contain extensive information on AAM products, services, and technologies. American Auto-Matrix currently offers the following binders:

- Product Catalog
- Engineering Applications Guide
- Lab & Fume Hood Control
- GPC & STATbus Technology
- Building Relationships
- BACnet
- Access Control

The binders have a clear cover, side panel, and back cover for insertion of printed graphics. Color schemes coordinate with binder content and/or product technology (congruent to the color schemes of the data sheets and brochures). All binder covers (front and back) follow the same layout design (next page). Binder contents vary. All contents are separated in sections by labeled tabs.



\* Binder Cover is 10 X 11



Binder side insert can be 1.5", 2" or 3"



At American Auto-Matrix, we believe in providing "Smart Building Solutions®". We chose this tagline deliberately and thoughtfully, and we take it seriously.

"Smart" means our products are designed to think like people, not like machines.

"Building" originates from our focus on relationships.

"Solutions" reflects our many technological innovations as well as unparalleled support and service to our Solution Integrators.

[www.aamatrix.com](http://www.aamatrix.com)

Corporate Headquarters: One Technology Lane ▼ Export, PA 15632 ▼ Phone: 724-733-2000 ▼ Fax: 724-327-6124

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\* Binder Back Cover is 10 X 11



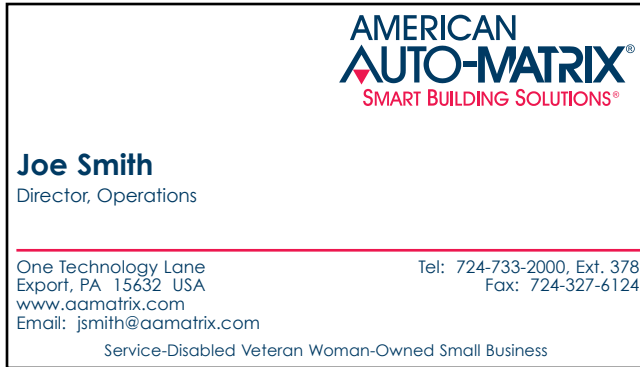
Master  
Logo

---

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[www.aamatrix.com](http://www.aamatrix.com)

Contact  
Info

# Business Cards



Business Cards contain:

- AAM Master Logo with SBS tag
- Name and title
- Address, Email , phone, fax
- Service-Disabled Veteran Woman-Owned Small Business tag

# Email Signature

The Email Signature should contain

Name - Verdana 11pt

Title // American Auto-Matrix - Verdana 10 pt

address - - Verdana 10 pt

website and email - Verdana 10 pt

main phone, direct phone - Verdana 10 pt

mobile phone (not mandatory) - Verdana 10 pt

---

**Joe Smith**

Director, Operations // American Auto-Matrix

One Technology Lane // Export, PA 15632

www.aamatrix.com • jsmith@aamatrix.com

Main: 724-733-2000 • Direct: 724-733-0298



## Network Broadcasts

Email Broadcasts should consist of timely material related to the audience that it is intended for. Broadcasts are made from an AAM approved Constant Contact template. The email list is then generated from the Toolbox and sent to the proper addresses.

There are several types of Email Broadcasts:

- Network Broadcast
- Product Update/Firmware Release
- Tech Tip

All Email Broadcasts should contain:

- AAM Master Logo
- Type of Broadcast
- Broadcast Title
- AAM Awards
- Recent Product Releases
- YouTube Video Links
- Twitter Link
- AAM Websites
- BTL and BACnet Information
- Contact Info
- Subscription and Legal Info
- Any other relevant info

Monthly Email campaigns are also handled through Constant Contact. While they maintain a similar look and feel to the Network Broadcasts they do not contain:

- Recent Product Releases
- AspectFT Simple Mobile Web and RSS Did You Know Videos
- Any AAM employee names or contact information unless approved by the head of Marketing.



AAM Master Logo

Headline and Content

YouTube Video Links and Twitter

**AMERICAN AUTO-MATRIX**  
Network Broadcast

### FACTORY WORKSHOP SCHEDULE Third Quarter-2011

Training is an important aspect of any job. Therefore, AAM is happy to announce its summer Factory Workshop Schedule for Third Quarter 2011.

**July**

- 8-8 Holiday
- 11-15 Open
- 18-22 BACnet Workshop
- 23-29 AspectTT Workshop

**August**

- 1-5 Open
- 8-12 Unity/SBC Workshop
- 15-19 Open
- 22-26 BACnet Workshop
- 29-3/2 AspectTT Workshop

**September**

- 1-5 Holiday
- 12-16 Open
- 19-23 BACnet Workshop
- 26-30 AspectTT Workshop

The in-house AspectTT workshop will be extended one day to include a final exam project. Students will use the last day of the workshop to follow the final exam sequence of operation, points list, and final exam to create an AspectTT Matrix and AspectTT Facility Server project.

Before attending any of the workshops it is recommended that certain guidelines are followed to ensure the student gets the most out of their training experience at American Auto-Matrix. The workshop guidelines are listed below for your convenience:

1. Complete the Unity/SBC or BACnet workshops or have applicable controller experience before attending the AspectTT workshop.
2. Complete the Unity/SBC or BACnet workshops or have applicable controller experience before attending the SupplyMax workshop.

To register for a workshop, log to the [ToolBox](#) then click on [Educational Services](#) and select [Scheduling and Registration](#). Select the workshop you would like to attend and complete the registration form.

Workshop registrations are accepted only when a receipt with a purchase order. If you do not attend or decide to cancel, you must do so before 30 days from the start of the workshop or you will be charged 100% of the course fee. No credits will be issued after that time.

American Auto-Matrix reserves the right to cancel a workshop for any reason and does not assume responsibility for non-refundable and non-changeable airline, lodging or rental car reservations.

Training on-location, domestically or internationally, is available. The AspectTT and BACnet workshops are always available online, and the AAM Sales, SageMax, and 10-Day Workshops are available per request. For further information, available dates, or workshop registration forms please visit the AAM ToolBox or contact Insite Sales at 1-877-336-8822.

**Follow AAM**

**Did you Know**

American Auto-Matrix is a proud provider of all BTL related information and has a complete database of the knowledge to BTL professionals. Our BTL, the American Institute of BTL, is the largest of Business Development, Better Means, is at the forefront of training and education. Our BTL, the American Institute of BTL, is the largest of Business Development, Better Means, is at the forefront of training and education. Our BTL, the American Institute of BTL, is the largest of Business Development, Better Means, is at the forefront of training and education.

**AMERICAN AUTO-MATRIX**  
Smart Building Solutions  
One Technology Lane, Suite 100  
Plymouth, PA 15067  
Phone: 1-877-336-8822 Fax: 724-837-8143

Awards

Recent Product Releases

AAM websites

BACnet Info and BTL Listings

Contact Info

Subscription and Legal info



# Monthly Email Campaigns

AAM Master Logo

Headline and Content

YouTube Video Links and Twitter

**AMERICAN AUTO-MATRIX**

**SmartOne Line of Controls Available For Distribution**

In the past, HVAC installers with projects requiring BACnet and BTL listed controllers needed to become a dealer, sign contracts, and be responsible for volume sales. American Auto-Matrix is making it easier for the HVAC community to obtain the power and openness of BACnet and a BTL, using the availability of the SmartOne™ Line of Controls.

The SmartOne Controllers are robust, 4-speed application specific controllers available in Rooftop, Heatpump, Fancoil, and VAV variants through distributors listed on [www.bacnetcontrol.com](http://www.bacnetcontrol.com). No longer is it necessary to be tied to a manufacturer in order to purchase BTL listed BACnet controls.

Programming is accomplished through serial or IP communication and the SmartOne Commissioning Wizard. This application will take the guess work out of programming by guiding you through a series of intuitive steps that commission the controller.

For more information or to learn about product availability, visit [www.bacnetcontrol.com](http://www.bacnetcontrol.com).

With Control like this... You can be the SmartOne.

**SmartOne Line of Controls**

**SmartOne Line of Configuration Wizard**

Made in the USA  
American Made • American Owned

**Find Out More and Follow AAM**

**Did You Know**

American Auto-Matrix is a proud member of BACnet International and BTL. It empowers that control for the knowledge of BTL's connections. Click the icon for more information on membership.

**AMERICAN AUTO-MATRIX**  
Smart Building Solutions™  
One Technology Lane, Suite 100-1000  
Westborough, MA 01581  
[www.aamatrix.com](http://www.aamatrix.com)

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Awards

Supporting Information or Subtopics

AAM websites

BACnet Info and BTL Listings

Contact Info

Subscription and Legal info



# Promotional Items

2011 Style Guide



Any promotional items bearing the AAM logo or associated with AAM require approval from American Auto-Matrix Marketing prior to production.

Promotional items include, but are not limited to, pens, shirts, mousepads, USB drives, beach towels, golf balls, note pads, and bags.



# Notes

