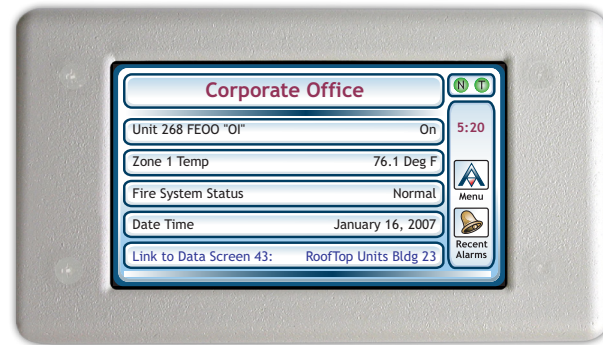# AMERICAN AUTO-MATRIX®
A Cylon Energy Inc. Company

SBC-SD   PUP Network Small Display

The SBC-SD is a compact, addressable network display device for application on EIA-485 Public Unitary Protocol (PUP) based networks. It enables users to quickly monitor their system, and easily make changes to the way their building is controlled. The wall mounted SBC-SD has a touch-screen operator interface with permission based menu icons, allowing simple navigation to read and write PUP values, view alarms, grouped data, and point descriptions. The SBC-SD is easily configured using SoloPro™ software.

FEATURES

- Able to automatically display and modify up to 150 PUP network data points

- Can manually address, view, and modify any data point on the PUP network

- 50 configurable data screens containing live PUP network data and/or hyperlinks to other data screens allow unique point groupings

- 12-bit color, 480x272 pixel TFT-based touchscreen local user interface for display and modification of up to 63 PUP devices over a single EIA-485 network

- Configurable header information

- Multi-tiered icon-driven screen navigation

- Available "Home Screen", adaptable to display frequently viewed or accessed data

- Intuitive screen calibration

- Multi-level numeric password-based access protection

- Able to "sniff" network traffic, store and display up to 128 alarms

- Flash program upgradable through use of standard SD/MMC card port

- Standard text representation of specified events

- Programmable display dimming functions to protect against image burn

- Non-volatile memory stored on the SBC-SD for backup and cloning over the network
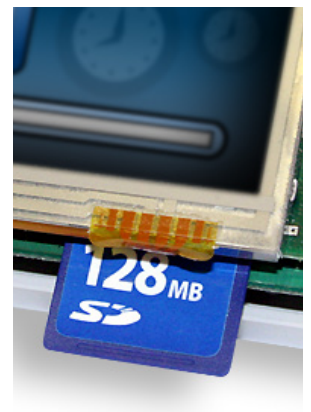
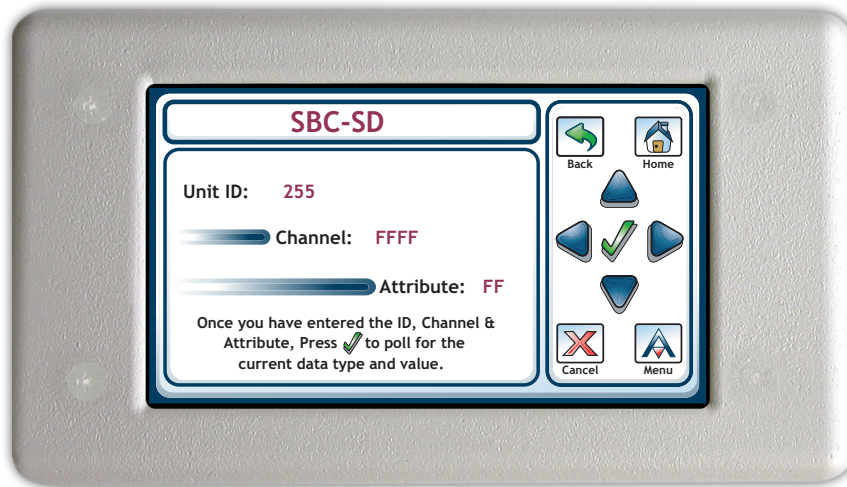- Configured using SoloPro™ for Windows

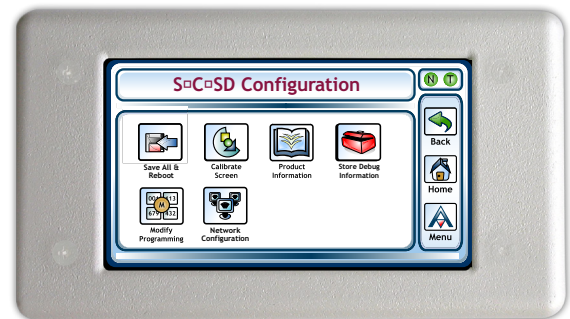**Home Screen**

Main Menu

UPDATING THE SBC-SD

The SD Flash Card slot provides a simple, yet effective method to apply flash firmware upgrades to the SBC-SD. In this approach, a user can apply product updates to the SBC-SD without having to connect their laptop or service tool to the controls network, or interrupt daily operation of the building automation control network and system. Once inserted, the update process is only a few taps away.

Smart Building Solutions®

Data Entry Screen

- Token, and network activity icons

- 50 customizable 24-character menu text headers

- Customizable long (150 character) and short (24 character) text description for each datapoint

- Chemically resistant "Kydex" plastic case, mountable on both US and Euro switch boxes

- Touch screen protected by a chemically resistant polyester membrane

- Field upgradable for future functionality

- Adjustable volume

Configuration Screen

SPECIFICATIONS

Processor	high-speed 32-bit ARM processor	**SD/MMC Card Socket**	supports SD card up to 2GB
Touch Screen Display	backlit 16:9 widescreen TFT color LCD 480 x 272 pixels	**Operating Temp**	32 to 122° F (0 to 50°C)
Local Memory Storage	8 MB onboard flash chip	**Relative Humidity**	0 to 90% non condensing
SRAM	1 MB RAM chip	**Power Requirements**	14-29 VAC/DC, 50/60 Hz; 4W maximum; Class 2
Communication	2 wire PUP over EIA-485	**Agency Listings**	UL listed 916, Management Equipment, Energy (PAZX)
Features	revert button / reset button		FCC rules Part 15 Class B computing device
Overall Size	6.0 x 3.4 x 1.0 in. (15.24 x 8.64 x 2.54 cm) mounting holes for 2x4 utility or 2x2 K power box		Complies with CE directive and standards

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