

SBC-ASCe Application Specific Controller

The SBC-ASCe is an applicable selectable controller able to be employed in generic and light-duty custom control applications using one of three available modes (Rooftop, Heatpump, and Multi-speed Fancoil). In stand-alone or networked environments, the SBC-ASCe can be programmed to operate on independent platforms or in existing enterprise applications. Using flash technology, SBC-ASCe controllers can be configured and setup with minimal effort for a variety of control application sequences.

FEATURES

- PUP network protocol over EIA-485
- Can be field-flash configured for Rooftop, Heatpump, or Multi-speed Fancoil profile applications
- Can be used in stand-alone or network applications
- Easy configuration and over-the-network firmware flash updates via SoloPro commissioning environment
- Dedicated (separate from on-board I/O) Zone Sensor Input connection for SBC-STATs via Statbus
- Real-time clock included
- Devices can be implemented in sequences that may not require Discharge Air Temperature (DAT) or Outside Air Temperature (OAT) readings
- Available PID and Control Loop applications for output control sequences such as valve control and analog signal control
- Outside Air Temperature based Economizer control available
- Configurable Interlocking for Fan Failure applications

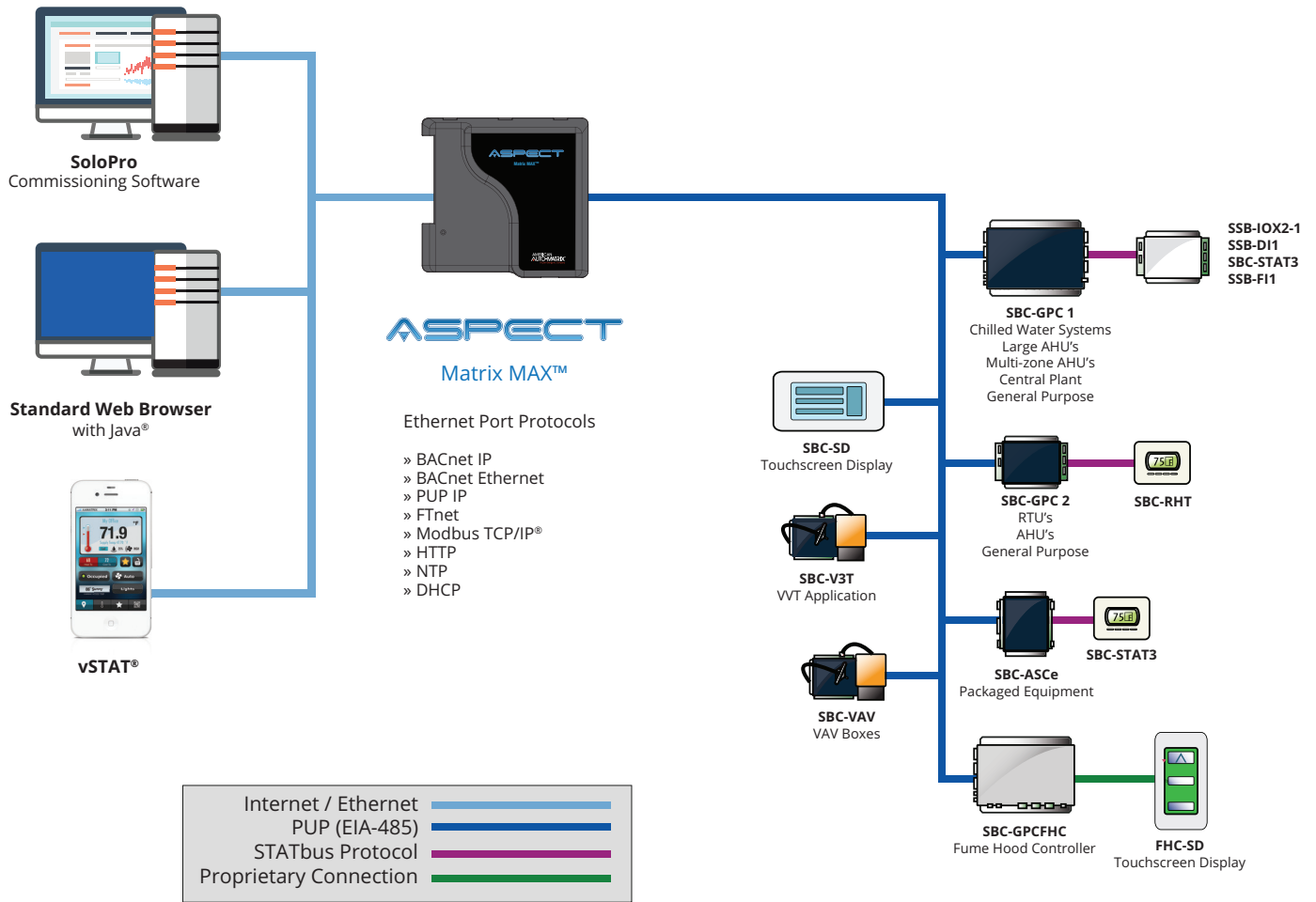


UNIQUE PROGRAMMING CAPABILITIES

Unique programming in the ASCe allows users to modify the controller for several pre-configured applications. Using flash memory updates, the controller can be configured for typical heat pump, multi-speed fan coil, or rooftop unit installations.

SBC-ASC CONTROLLER FEATURES

DO Triac	Relay	AO	UI	Optically Isolated DI	SBC-STATbus
0	5	4	5	1	1



Configuration can also be accomplished via serial communication with the IFC-SSB/485

SPECIFICATIONS

Terminations	pluggable terminal blocks for inputs, outputs, power, & network connections
Baud Rates	9.6, 19.2, 38.4, 57.6, 115.2 kbps
Input Supply	NEC class II transformer, 24 VAC 50/60 Hz, 10 VA maximum 5 VA typical 5A fuse load protection
Overall Size	5.5 x 4.75 x .90 in (14.1 x 12.1 x 2.3 cm)
Shipping Weight	.84 lbs (.382 kg)

Operating Temp	32 to 122° F (0 to 50° C)
Storage Temp	-40 to 151° F (-40 to 66° C)
Relative Humidity	0 - 90% RH non-condensing (40-60% recommended)
Agency Listings	UL listed 916, Management Equipment, Energy (PAZX) FCC rules Part 15 Class B computing device Complies with CE directive and standards



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