



ASIC/3-9520



ASIC/3-9536



ASIC/3-6115-MB



ASIC/3-9540



ASIC/3-9500

Date:	March 2 nd , 2018
Vendor Name:	ASI Controls
Product Name:	ASIC/3 Family
Product Model Numbers:	9540,9536,9520,9520-DD,9500 6115,6115-DD,6115-MB,6115-PD
Firmware Revision:	2.0
BACnet Protocol Revision	14

Product Description

The ASIC/3 family of fully programmable controllers offer unrivaled flexibility via USB host and USB device connectors and easily integrate into BACnet and ASI Controls networks.

The ASIC/3-9XXX models all feature Ethernet interfaces, optional wireless communications, SD-CARD slot, and offer additional integration into Modbus networks.

The ASIC/3-9540 features 16 Universal Inputs, 16 Binary Outputs, and 8 Analog Outputs, plus three RS-485 communications ports and removable I/O connectors.

The ASIC/3-9536 features 16 Universal Inputs, 12 Binary Outputs, and 8 Analog Outputs, plus two RS-485 communications ports and one RS-232 serial port.

The ASIC/3-9520 features 8 Universal Inputs, 8 Binary Outputs, and 4 Analog Outputs, plus two RS-485 communications ports and removable I/O connectors.

The ASIC/3-9500 features three RS-485 communications ports.

The ASIC/3-6115-MB features 8 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, one RS-485 communication port and can include one or two airflow sensors for pressure independent VAV applications.

Device Profile

BACnet Building Controller (B-BC)

BIBBs Supported

Data Sharing		Alarm and Event Management	
DS-RP-A	ReadProperty – A	AE-N-I-B	Notification – Internal - B
DS-RP-B	ReadProperty – B	AE-ACK-B	ACK – B
DS-RPM-A	ReadPropertyMultiple – A	AE-INFO-B	Information – B
DS-RPM-B	ReadPropertyMultiple – B	Scheduling	
DS-WP-A	WriteProperty – A	SCHED-I-B	Internal – B
DS-WP-B	WriteProperty – B	SCHED-E-B	External – B
DS-WPM-B	WritePropertyMultiple - B	SCHED-WS-I-B	Weekly Schedule - B
DS-COV-B	COV - B	Trending	
Device & Network Management		T-VMT-I-B	View and Modify Trends – I – B
DM-DDB-A	Dynamic Device Binding – A	T-ATR-B	Automated Trend Retrieval - B
DM-DDB-B	Dynamic Device Binding – B		
DM-DOB-A	Dynamic Object Binding – A		
DM-TS-B	Time Synchronization - B		
DM-UTC-B	UTC Time Synchronization - B		
DM-DCC-B	Device Communication Control – B		
DM-RD-B	Reinitialize Device - B		
DM-BR-B	Backup and Restore - B		

Segmentation Capability

None

Standard Object Types Supported

Object Type	Dynamically Creatable	Dynamically Deletable	Optional Properties Supported	Writable Properties
Device	No	No	Description, Max_Master, Max_Info_Frames, UTC_Offset, Daylight_Savings_Status, Configuration_Files, Active_COV_Subscriptions, Backup_And_Restore_State, Local_Time, Local_Date, Backup_Failure_Timeout, Last_Restore_Time, Backup_Preparation_Time, Restore_Completion_Time, Restore_Preparation_Time	UTC_Offset, Max_Info_Frames, Object_Name, Backup_Failure_Timeout,
Analog Input	No	No	Description, Reliability, COV_Increment, Time_Delay, Notification_Class, High_Limit, Low_Limit, Deadband, Limit_Enable, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable	Present_Value, COV_Increment, Event_Enable, Out_Of_Service, High_Limit, Low_Limit, Deadband, Limit_Enable, Time_Delay, Notification_Class, Notify_Type
Analog Output	No	No	Description, Reliability, COV_Increment, Time_Delay, Notification_Class, High_Limit, Low_Limit, Deadband, Limit_Enable, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable	Present_Value, COV_Increment, Event_Enable, Out_Of_Service, High_Limit, Low_Limit, Deadband, Limit_Enable, Time_Delay, Notification_Class, Notify_Type
Analog Value	No	No	Description, Priority_Array, Relinquish_Default, COV_Increment, Time_Delay, Notification_Class, High_Limit, Low_Limit, Deadband, Limit_Enable, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable	Present_Value, Relinquish_Default, COV_Increment, Event_Enable, Out_Of_Service, High_Limit, Low_Limit, Deadband, Limit_Enable, Time_Delay, Notification_Class, Notify_Type
Binary Input	No	No	Description, Reliability, Time_Delay, Notification_Class, Alarm_Value, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable, Active_Text, Inactive_Text	Present_Value, Event_Enable, Out_Of_Service, Time_Delay, Notification_Class, Notify_Type
Binary Output	No	No	Description, Reliability, Time_Delay, Notification_Class, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable, Active_Text, Inactive_Text	Present_Value, Event_Enable, Out_Of_Service, Time_Delay, Notification_Class, Notify_Type
Binary Value	No	No	Description, Reliability, Active_Text, Inactive_Text, Priority_Array, Reliquish_Default, Time_Delay, Notification_Class, Alarm_Value, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable	Present_Value, Event_Enable, Out_Of_Service, Time_Delay, Notification_Class, Notify_Type
File	No	No	Description	
Notification Class	No	No	Description	Priority, Ack_Required, Recipient_List
Schedule	No	No	Description, Weekly_Schedule, Exception_Schedule	Present_Value, Effective_Period, Schedule_Default, List_Of_Object_Property_References, Priority_For_Writing, Out_Of_Service, Weekly_Schedule, Exception_Schedule
Calendar	No	No	Description	Date_List
Trend Log	No	No	Notification_Threshold, Records_Since_Threshold, Last_Notify_Record, Notification_Class, Event_Enable, Acked_Transition, Notify_Type, Event_Time_Stamp, Event_Detection_Enable, Trigger, Description	Enable, Buffer_Size, Record_Count, Notification_Threshold, Notification_Class, Notify_Type

Data Link Layer Options

MS/TP master (Clause 9), baud rates: 9600, 19200, 38400, 76800

Device Address Binding

No - Static Device Binding Not Supported

Networking Options

None

Character Sets Supported

ISO 10646 Unicode Transformation Format-8 (UTF-8)