

PG-124-103-BX Siemens XLS to BACnet IP Protocol Converter

PG-124-103-BX is highly powerful, superior, completely configurable and productive Building & Industrial Automation gateway for integrators to effortlessly interface devices to networks in commercial buildings and industrial plants.

PG-124-103-BX Gateway model supports Siemens XLS and BACnet IP protocols. It is a Bi-directional Converter that can be configured as a Client and/or a Server on either protocol interface.

When configured as a Siemens XLS client, the PG-124-103-BX can read data from your Siemens XLS fire panel and publish it as BACnet IP data. Also, it can write commands sent from the BACnet IP side to the Siemens XLS fire panel.

When configured as a BACnetIP client, the PG-124-103-BX can read data from your BACnetIP devices and publish it as Siemens XLS type data. Also, it can write commands sent from the Siemens XLS side to the BACnet IP devices.

The PG-124-103-BX can be configured to behave as a server on both Siemens XLS and BACnet IP interfaces. This mode is useful when data exchange is required between a Siemens XLS client (for eg. SCADA) and a BACnet IP client (for eg. a Building Management System).

The PG-124-103-BX can be configured to behave a saclient on both Siemens XLS and BAC net IP interfaces.

PG-124-103-BX gateways have benefitted system integrators worldwide with its powerful line of gateways. Additionally, PG-124-103-BX gateway runs the same protocol conversion software on a productive and cost efficient platform backed by the experience, engineering expertise and technically proven support that integrators have come to expect from PG-124-103-BX.

Features

- Ability to interface upto 1000 points
- DIN rail mountoptional
- DIP switches to select baud rate or node ID on the fly
- Multi-configuration capability
- BACnet COV support for fast data communication while reducing the traffic over a BACnet network



Specifications

Faring	Operating Temperature: -40 to 75° C	(-40 to 167°F)
Environment	Relative Humidity:5-90% RH non-condensing	
Power	9-30 VDC or 12-24 VAC	
Requirements	Current Draw @ 12V about 250Ma	
Physical	4.5x2.9x1.6 in. (11.5x7.4x4.1 cm)	
Dimensions(HxWxD)	0.4 lbs (0.2 Kg)	
	Configuration/Diagnostic utilities	
Other	Capacity: 1000 points	
	Table, Wall or DIN rail mount	
	RS-485	1
Communication	RS-485 or RS-232	1
Interfaces	Ethernet 10Base-T, 100BASE-T ²	1
	Mbus	-
	KNX	-
	LonWorks	-
	T	
	TUV Approved to UL 916 and CSA C2	2.2 standards
	BTL and LonMark certified	
Approvals	LonMark Certified	
	RoHS Compliant	
	GOST-R Certified	
	CE and FCC	



BACnet IP Protocol Driver Description

	Connection type:	Internet Protocol (IP)
	Ethernet Speeds Supported:	10Base-T, 100BASE-T ²
Driver Name: BACnet/IP	BBMD SUPPORTED:	Yes(Not supported on client
		connections)
	Foreign Device:	Not Supported for client
	Registration:	Connections
	eB.ser.av.e	
PG-	124-103-BX AS A BACnet IP CLIENT	
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Present Value	Store value in Data Array
Read Property		location after scaling has
		been applied
	Out_Of_Service	When using a Complex Data
		Object, the OOS property is
		fully supported. Return FALSE
		when not OOS or when using
		standard Data Arrays
	Units	Returns Units as specified in
		the Map Descriptor
	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is
		old. Returns FALSE if the
		Node is online or when using
		Standard Data Arrays
	Priority_Array	Returns Priority_Array of
		Map Descriptor
	Unsupported	This property is supported
	Protocol_Object_Type_Supported	This property is supported
	Protocol_Services_Supported	This property is supported
	Database_Revision	This property is supported and
		will change if a new
		configuration is downloaded
		to the FS
	Max_Master	This property is supported for
		the BACnet /MSTP DLLoption
	Max_Info_Frames	This property is supported for
		the BACnet/MSTP DLL option
	Relinguish_Default	Returns Relinguish _Default



	As for Read Property	Transactionscanbedefined to readmultipleobjectsand
		' '
		properties in a single ReadPropertyMultiple
Read Property Multiple		operation.
	ALL	Read Property Multiple of the
	ALL	
		ALLpropertyisNOT supported
		supporteu
Write Operations	Properties Supported	Comments and Limitations
Supported	1 Toperties supported	comments and Emitations
Write Property		Send value in Data Array
Write Property Multiple	Present Value	
Write Property Multiple	rieseiit vaide	location after scaling has been applied
		реен аррнеа
	24 102 DV AC A DACEST ID CEDUED	
	24-103-BX AS A BACnet IP SERVER	
DEVICE OBJECT	T=	
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	Returns Object _ID with
		Node_ID as Object Instance
	Object_Name	Returns Node Name
	Object_Type	Returns Device Object type
	System_Status	Returns Normal
	Vendor_Name	Returns PG-10XX
		Technologies
	Vendor_Identifier	Returns 37
	Model_Name	Returns PG-10XX model
	Firmware_revision	Returns Kernel Version
	Application_sw_version	Returns DCC version
	Protocol_Version	Returns version 1
	Protocol_Revision	Returns version 1
	Protocol_Services_Supported	This property is supported
	Protocol_Object_Type_Supported	This property is supported
	Protocol_Object_List	Returns a list of objects
		defined in the PG-10XX
	Max_APDU_Length_Accepted	For PG-10XX,the MAX APDU
		length for BACnet MSTP is
D 15		480 bytes and for BACnet
Read Property	Constitution Constitution	IP/BACnetEth1497bytes
	Segmentation_Supported	Returns Segmantation NOT
	ADDIL Timesurt	Supported
	APDU_Timeout	Returns the value as defined
		by the Node's "Timeout"
	ADDII Detrice	parameter
	APDU_Retries	Returns the value as defined
		by the Node's "Retries"
		parameter



	Device Address Bindings	Returns an empty list
	Max_Master	This property is supported for
	_	the BACnet/MSTP DLL option
	Max_info_Frames	This property is supported for
		the BACnet/MSTP DLL option
	Description	This property is supported
	Database_Revision	This property is supported and
		will change if a new
		configuration is downloaded
		to the PG-10XX
Read Property Multiple	Same properties as Read Property	Read Property Multiple is
The date of the da		fully supported. Multiple
		objects withmultiple
		properties can be specified
		properties can be specified
Write Operations Supported	Properties Supported	Comments and Limitation
M/sita Dua sa auto	Max_Master	This Property is supported for
Write Property	_	the BACnet /MSTP DLLoption
	Max_info_Frames	This Property is supported for
		the BACnet /MSTP DLLoption
	Max_Master	This Property is supported for
Marie Barrell Marie		the BACnet /MSTP DLLoption
Write Property Multiple	Max_info_Frames	This Property is supported for
		the BACnet /MSTP DLLoption
Analog Input Object		
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns Map Descriptor
		Name
	Object_Type	Returns Analog Input Object
		Туре
	Present_Value	Returns value in Data_Array
		afterscalinghasbeenapplied
	Status_Flags	WhenusingComplexData
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		When using standard Data
		8
		Arrays returns FALSE for all



Read Property	Reliability	When using a Complex Data
Read Property		Objects, returns Unreliable
		Other when the Node is
		offline, or when the data is
		old. Returns FALSE if the
		node is online or when using
		Standard Data Arrays
	Out_Of_Service	Fully supported when using a
		Complex data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Description	This property is supported
	Units	Returns Units as specified in
		the Map Descriptor
Read Property Multiple	Samo proportion as Board Proportion	Pond Proporty Multiple is
Read Froperty Multiple	Same properties as Read Property	Read Property Multiple is fully supported. Multiple
		objects with Multiple
		properties can be specified
	<u>I</u>	properties can be specified
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property		WritingtothePresentValue
Write Property Multiple	Present_Value	isallowediftheObjectisOOS
, ,	- 1	,
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_value	Subscription storage is non-
		volatile
COVNotification	Present_value	Confirmed and Unconfirmed
	-	
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
EventNotification	Present_Value,Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No limitations
Analog O Li 1011 Li	In a Value Object	
Analog Output Object, Ana		10
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
	Object Type	Name"
	Object_Type	Returns Analog Output Object
		Returns Analog Output Object type
	Object_Type Present_Value	Returns Analog Output Object



	Status Flags	When using Compley Data
	Status_Flags	WhenusingComplexData
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		WhenusingstandardData
		Arrays returns FALSE for all
		bits
Dood Droporty	Event_State	No Limitations
Read Property	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is
		old. Returns FALSE if the
		Node is online or when using
		Standard Data Arrays
	Out_Of_Service	Fully supported when using a
		Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Units	Returns Units as specified in
		the Map Descriptor
	Priority_Array	Returns Priority Array of Map
	,_ ,	Descriptor
	Description	This property is supported
	Relinguish_Default	Returns Religuish _Default
Read Property Multiple	Same properties as Read Property	Read Property Multiple is
		fully supported. Multiple
		objects withmultiple
		properties can be specified
		· · ·
WriteOperationsSupported	Properties Supported	Comments and Limitations
Write Property		When using Complex Data
Write Property Multiple		Objects and OOS is TRUE, then
, , ,		the write will not cause a
		write-through operation to
	Present_Value	the Server side. If the OOS is
		FALSE or when using standard
		Data Arrays then writes will
		always cause a write-through
		operation to the Server side
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_Value	Subscription storage is non-
JUDGCOV	Tresent_value	volatile
	1	VOIGUIC
COVNotification	Present Value	Confirmed and Unconfirmed



Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Discount Object		
Binary Input Object Read Operations	Properties Supported	Comments and Limitations
Supported	Properties Supported	Comments and Emitations
Зирропец	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
	Object_Name	Name"
	Object_Type	Returns Analog Input Object
	objectypc	type
	Present_Value	Returns the binary value in
		the data array
Read Property	Status_Flags	WhenusingComplexData
Read Property		ObjectsreturnstheFAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		WhenusingstandardData
		Arrays returns FALSE for all
		bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is
		old. Returns FALSE if the
		Node is online or when using
		Standard Data Arrays
	Out_Of_Service	Fully supported when using
		Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Polarity	Always returns "Normal"
	Active_Text	Returns Active Text as
		specified on the Map
		Descriptor
	Description	This property is supported
	Inactive_Text	Returns Inactive Text as specified
		on the Map
		Descriptor



Read Property Multiple	Same properties as Read Property	Read property Multiple is
		fully supported. Multiple
		objects withmultiple
		properties can be specified
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property	Procent Value	WritingtothePresentValue
Write Property Multiple	Present_Value	isallowediftheObjectisOOS
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event	Droporties Supported	Comments and Limitations
Operations Supported	Properties Supported	Comments and Limitations
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Binary Output Object, Bina	ry Value Object	
Read Operations Supported	Properties Supported	Comments and Limitations
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Input Object type
	Present_Value	Returns the binary value in the data array
	Status_Flags	WhenusingComplexData ObjectsreturnstheFAULT and OUT_OF_SERVICE fields as indicated in section 12.2.7 of the BACnet specification. WhenusingstandardData ArraysreturnsFALSEforall bits
	Event_State	No Limitations



	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is
Read Property		old. Returns FALSE if the
		Node is online or when using
		Standard Data Arrays
	Out Of Service	Fully supported when using
	out_oi_service	Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Priority_Array	Returns Priority_Array of Map
	Priority_Array	Descriptor
	Religuish_Default	Returns Current
	Religuisti_Deladit	
	Description	Relinguish_Default This property is supported
	·	
	Active_Text	Returns Active Text as
		specified on the Map
	Inneting Tout	Descriptor
	Inactive_Text	Returns Inactive Text as specified
		on the Map
		Descriptor
Read Property Multiple	Same properties as Read Property	Read property Multiple is
Read Froperty Multiple	Same properties as nead Property	fully supported. Multiple
		objects withmultiple
		properties can be specified
Write Operations	Properties Supported	Comments and Limitations
	The state of the s	
•		
Supported		When using Complex Data
Supported Write Property	Present_Value	When using Complex Data Objects and OOS is TRUE
Supported	Present_Value	Objects and OOS is TRUE,
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when writes will always cause a
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when writes will always cause a write-through operation to
Supported Write Property	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when writes will always cause a
Supported Write Property Write Property Multiple Data Sharing Operations	Present_Value Properties Supported	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when writes will always cause a write-through operation to
Supported Write Property Write Property Multiple		Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when writes will always cause a write-through operation to the downstream side
Supported Write Property Write Property Multiple Data Sharing Operations Supported	Properties Supported	Objects and OOS is TRUE, then the write will not cause a write-through operation to the downstream side. If the OOS is FALSE or when using standard Data Arrays when writes will always cause a write-through operation to the downstream side Comments and Limitations Subscription storage is non-



Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Multiple State Input Objec		
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
		Name"
	Object_Type	Returns Analog Input Object
		type
	Present_Value	Returns unsigned Integer
	C	value in the data array
	Status_Flags	WhenusingComplexData
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
Read Property		the BACnet specification.
Read Froperty		WhenusingstandardData
		Arrays returns FALSE for all
		bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is
		old. Returns FALSE if the
		Node is online or when using
		Standard Data Arrays
	Description	This property is supported
	Out_Of_Service	WhenusingaComplexData
		Object, the OOS property is
		fully supported. Returns
		FALSE when not OOS or
		whenusingstandardData
	N 1 05 5: :	Arrays
	Number_Of_State	WhenusingaComplexData
		Object, returns the number of
		states defined. When using
		Standard Data Arrays returns
		the value of 5



1	Chata Taul	AA/In an are in a Control - Do
	State_Text	When using Complex Data
		Objects returns the State Text
		Stringsdefined.Whenusing
		StandardDataArraysreturn
		"State X" where "X" is the
		value stored in Data_Array
		and could be 0 to 4
		and codid be o to 1
Read Property Multiple	Same properties as Read Property	Read property Multiple is
mean reperty manages	ourse proper median reperty	fully supported. Multiple
		objects withmultiple
		properties can be specified
Write Operations	Droporties Supported	Comments and Limitations
•	Properties Supported	Comments and Limitations
Supported		
Write Property	Present_Value	WritingtothePresentValue is
Write Property Multiple		allowed if the Object is OOS
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_Value	Subscription storage is non-
		volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Multi-State Output Object,	Multi-State Value Object	110 2000000
Read Operations	Properties Supported	Comments and Limitations
Supported	Troperties supported	Comments and Emiliations
Supported	Object Identifies	No Limitations
	Object_Identifier	
	Object_Name	Returns "Map Descriptor
Read Property		Name"
	Object_Type	Returns Analog Input Object
	15	type
	Present_Value	Returns unsigned Integer
		value in the data array
	Status_Flags	WhenusingComplexData
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		WhenusingstandardData
		Arrays returns FALSE for all
		bits
	Event_State	No Limitations



	Reliability	When using a Complex Data
	,	Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is
		old. Returns FALSE if the
		Node is online or when using
	Out Of Comice	Standard Data Arrays
	Out_Of_Service	Fully supported when using a
		Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Number_Of_State	WhenusingaComplexData
		Object, returns the number of
		states defined. When using
		Standard Data Arrays returns
		the value of 5
	State_Text	When using Complex Data
		Objects returns the State Text
		Strings defined. When using
		StandardDataArraysreturn
		"State_X" where "X" is the
		valuestored in Data_Array
		and could be 0 to 4
	Description	This property is supported
	Priority_Array	Returns Priority_Array of Map
	Thomey_Array	Descriptor
	Religuish_Default	Returns Relinguish_Default
	Kengusii_Delauit	Neturns Neimguisii_Derault
Read Property Multiple	Same properties as Read Property	Read property Multiple is
nead Froperty Mainiple	barrie properties as nead 1 openty	fully supported. Multiple
		objects withmultiple
		properties can be specified
Write Operations	Properties Supported	Comments and Limitations
write operations		Commicity and Emiliations
Supported	т торон шес сарроноса	
Supported Write Property		When using Compley Data
Write Property		When using Complex Data Objects and OOS is EALS For
• • • • • • • • • • • • • • • • • • • •	Present_Value	Objects and OOS is FALSE or
Write Property		Objects and OOS is FALSE or when using standard data
Write Property		Objects and OOS is FALSE or when using standard data arrays, writes will triggera
Write Property		Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to
Write Property		Objects and OOS is FALSE or when using standard data arrays, writes will triggera
Write Property Write Property Multiple	Present_Value	Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to client side
Write Property Write Property Multiple Data Sharing Operations		Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to
Write Property Write Property Multiple Data Sharing Operations Supported	Present_Value Properties Supported	Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to client side Comments and Limitations
Write Property Write Property Multiple Data Sharing Operations	Present_Value	Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to client side Comments and Limitations Subscription storage is non-
Write Property Write Property Multiple Data Sharing Operations Supported	Present_Value Properties Supported	Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to client side Comments and Limitations



Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Notification Class Object		
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Notification Class Object type
Read Property	Description	No Limitations
. ,	Notification_Class	No Limitations
	Priority	No Limitations
	Ack_Required	No Limitations
	Description	This Property is supported
	Recipient List	No Limitations
	<u>'</u>	1
Read Property Multiple	Same properties as Read Property	Read property Multiple is
. , .		fully supported. Multiple
		objects withmultiple
		properties can be specified
	-	properties and opcomes
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property	Recipient_List	RecipientList storage is non-
<u> </u>	rite Property Multiple volatile	
AddList	RecipientList	Used to subscribe to Alarm and Event Notifications
Unsupported Functions And	••	
BACnet Object Type not Sup	pported	
Averaging Object		
Calendar Object		
Command Object		
Event Enrollment Object		
File Object		
Group Object		
Life Safety Point Object		
Life Safety Zone Object		
Loop Object		
-	supported on Client side only	
Program Object		
Schedule Object		
BACnet Services not Support	ed	



Alarm and Event Services unsupported on Client side only	Alarm and	Event Services	unsupported	on Client side only
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File Access Services

Virtual Terminal Services

COV and EventNotification services are not supported for BACnet

MSTP on the ProtoCessor

For BACnet MSTP, PTP and Arcnet, COV services are disabled by default and may be enabled by setting the Node_Option property to COV_Enable in the Nodes section configuration file.



PG-124-103-BX AS A Siemens XLS Client

In FSI mode, the NIM-1R or RPM allows the PG-103-124-BX to gather data from up to 63 Siemens Panels connected on an MXL or XLS network. When configured according to the default, the PG-103-124-BX will monitor two panels (1 and 2) with 8 modules (1 to 8) each.

Two sets of data are collected by the driver. The first is a collection of 19 counters perpanel. Each 16-bit counter is incremented whenever the corresponding event occurs. These counters can be read to determine if a new event has been reported to the server. The counters occur in the following order:

Event	Offset
Fire Alarm In	0
Fire Alarm Out	1
Fire Alarm Acknowledge	2
Trouble In	3
Trouble Out	4
Trouble Acknowledge	5
Supervisory In	6
Supervisory Out	7
Supervisory Acknowledge	8
Security Alarm In	9
Security Alarm Out	10
Security Alarm Acknowledge	11
Status In	12
Status Out	13
Test In	14
Test Out	15
Audible Silenced	16
Audible Unsilenced	17
System Reset	18

The second isacollection of bit maps that can be queried to determine which device has reported the event. When an alarm from a device is received, two arrays are updated—one indicating the alarm and the other indicating that the alarm has not been acknowledged. An alarm clear will clear the bit in the alarm array, and an alarm acknowledge will clear the bit in the un-acknowledged array. Each of these arrays is optional. To enable one, a Map Descriptor needs to be configured with a message type corresponding to the array as shown in this table:

Array	Msg_Type
Fire Alarm	Fire
Fire Alarm Un-Acknowledged	Fire_Ack
Trouble Alarm	Trouble
Trouble Un-Acknowledged	Trouble_Ack
Supervisory Alarm	Super
Supervisory Un-Acknowledge	Super_Ack
Security Alarm	Secur



Security Alarm Un-	Secur_Ack
Acknowledged	
Status	Status
Test	Test

PG-124-103-BX AS A Siemens XLS Server

The driver canalsobe used toemulatea MXLorXLSserver.Other protocol drivers could then poll remote devices and access the local MXL or XLS server data to set or clear events. In this configuration an existing Siemens Fire Safety MXLorXLS panel could be replaced with an emulation. Existing clients could poll the emulation driver on the PG-124-103-BX to get the same data as from a conventional MXL or XLS server. Upto 100 panels can be emulated with the driver. Each panel has to be on a unique port and have a unique Node_ID assigned. A Map Descriptor has to be defined for each type of remote device. The following types can be used:

Dovice Type
Device Type Fire Alarm In
Fire Alarm Out
Fire Alarm
Acknowledge
Trouble In
Trouble Out
Trouble Acknowledge
Supervisory In
Supervisory Out
Supervisory
Acknowledge
Security Alarm In
Security Alarm Out
Security Alarm
Acknowledge
Status In
Status Out
Test In
Test Out
Audible
System Reset
SystemDateandTime
Analog Volts
Analog Sensitivity
Analog Threshold



Command and Control Functions

Function
Un(Silence) Audible
System Reset
Set Date and Time
Acknowledge Fire Alarm Event
Acknowledge Trouble Event
Acknowledge Security Event
Acknowledge Supervisory Event

Analog Functions

Function	Description
Request Analog Data	Requests the present
	value of analog data
	from a loop of
	analog devices. The
	available data is
	limited to analog
	voltage, sensitivity
	voltage and alarm
	threshold
	voltage.

Unsupported Devices or Protocol Options

Device	Details
Cerberus FC924	Panel does not support
	the FSI protocol.



Dimensions:

