ASCII GATEWAY   PC-100-3xx

Universal ASCII interface

Flash Firmware upgrades

RS-485 or RS-232

Does not rely on PC

Simplifies integration

Reduces wiring costs

Reduces hardware costs

Thermal circuit protection

Interfacing with a wide variety of 3rd party building management, security and industrial control equipment can be challenging and costly. Our PC-100 hardware ASCII gateway is designed make this integration much easier and less expensive than conventional input/output means.

Via ASCII message exchange, PC-100 allows AxiomV to monitor status of inputs and various events on 3rd party systems for logging, graphical display and automation sequence triggering. It also makes it possible to control 3rd party systems by issuing ASCII coded commands.

In combination with our AxiomV's universal, field configurable software ASCII interface and **OPC Server**, PC-100 makes our product offering even more relevant in the building management, security and industrial control markets.

Digital Elevator Control

Replacing relay control of buttons, it also allows for destination floor monitoring and various other functions. Any modern elevator with an ASCII interface (and published format) combined with our PC-100 will reduce cost of elevator control by eliminating cross-wiring, much of AxiomV hardware and relay interface card costs.

SafeSuite Integration

Using PC-100 as a gateway between SafeSuite keypads and Digital SIA Dialer (KE-SDACT) for direct Site to Central station hardware-only reporting capability not reliant on AxiomV Communications and Messaging Servers being on-line with the local site.

Building Energy & Climate Management

Turning on lights or adjusting temperature based on personnel movements and occupancy levels is now possible with vast majority of ASCII capable systems. Low cost solution for displaying and logging building management events for after- hours monitoring by security personnel, for example, can be combined with our Interactive Guard Tour to help attain most efficient use of staff.

Industrial Controls

Use AxiomV to authorize and control industrial processes while bringing their status into AxiomV for display on interactive maps, CCTV integration and history reports. A variety of functions can be secured and automated with this simple to implement integration.

Burglar Alarm Integration

Reduce complexity, hardware and wiring costs by cross mapping inputs, outputs and commands between AxiomV and 3rd party burglar alarm panels. Add AxiomV's CCTV integration capability to Burglar Alarm panels of various manufacturers.

Many other applications :

- Digital Phone Systems
- Audio and Video Intercoms
- Data acquisition and display
- CCTV integration
- And much, much more...

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PC-100 -3xx

SPECIFICATIONS

Quite often communication formats of equipment manufacturers are proprietary. PC-100 addresses this issue by making it easy to adopt it by flashing the gateway with an appropriate firmware. If 3rd party system is configurable, than the standard RBH ASCII interface format can be used by default.
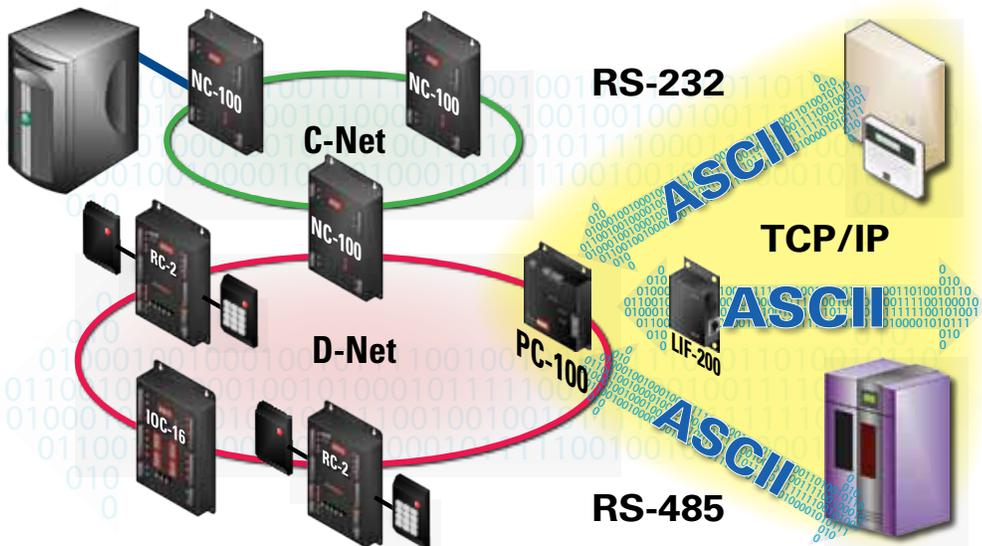
To avoid complex scripting, that many competitive systems require, AxiomV represents ASCII sources and control targets as logical multi-state inputs and outputs with an easy click and select interface we use for our conventional IOC-16 input/output controllers.

One of PC-100s most important advantages is it's hardware based nature: ASCII communications do not rely on computer host (PC) to operate. All ASCII interface activity will function in stand-alone mode providing full functionality within a C-Net cluster ("Network") of 120 access points and 4,320 inputs and outputs. Up to 256 of these networks available on each of many possible Communication Servers.

A single PC-100 gateway in certain applications can replace up to 16 IOC-16 controllers for the price of one! That's equivalent to 256 inputs and outputs. For example, a single gateway can control 256 elevator floors or monitor 256 alarm points on a burglar alarm system.

Dual channel, bi-directional (Class A) D-Net links the PC-100 Hardware ASCII Gateway to NC-100 Network Controller.

PC-100s per AxiomV system :	Unlimited (see below)
PC-100s supported by NC-100 :	Up to 16
Emulated Points :	Up to 256 inputs and/or outputs
Emulated Inputs:	Up to 256 (4-state)
Emulated Outputs :	Up to 256 (2-state)
AxiomV connection :	D-NET (RS-485, 38.4 KBPS)
3rd Party connection :	RS-232 OR RS-485 (9.6, 28.8, 38.5 OR 56 KBPS)
TCP/IP 3rd Party connection :	VIA LIF-200 ETHERNET GATEWAY
Visual annunciation :	Axiom Link Status LED Message/Upgrade LED 3 sets of Comm. Line LEDs
Firmware :	Flash Upgradable from PC
Mounting :	4 mounting holes
Size :	4.5" x 6.5" x 1.5" (117 x 77 x 18 mm)
Operating Temperature :	+30° F to +150° F (0°C to +70°C)

Wiring :

	RS-232 - Type:	3 or 4-conductor shielded, 18 to 22 AWG
	Range:	9,6 Kbps - 150' (50 m) 56 Kbps - 50' (15 m)
	RS-485 - Type:	Single twisted pair, shielded 18 to 22 AWG
	Range:	4,000' (1,200 M)

Operating voltage :	+9 to 14 VDC
Power draw :	150 mA typical
Warranty :	2-year warranty against defects in materials and workmanship

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