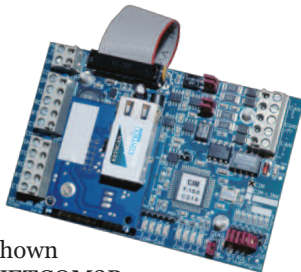


Keyscan CIM

Communications Interlink Module



CIM shown
with NETCOM2P

Communication that meets the sophisticated demands of today's access control systems

Next generation CAN Bus communication module

The Keyscan CIM is a new communication control module designed to use a CAN Bus communication network.

It provides optimized server to access control unit (ACU) communication as well as gives users an all new ACU to ACU network providing inter-panel communication for

global communication functions including anti-passback, global input/output and global time zones.

The CIM includes an impressive host of new features including ground loop protection, enhanced diagnostics, improved speed and unprecedented reliability.

Standardized Cabling: Establishes communication links with CAN Bus communication protocol using standard CAT5 cabling.

Auto Bit Rate Configuration: Designed to automatically match bit rate speed with control unit configuration.

Ground Loop Tolerance: Maximizes electrical isolation to earth ground providing tolerance against ground loops.

Network Adaptation: Supports Keyscan's plug-on TCP/IP network adapter NET-COM2P/6P.

Fault Tolerance: If one CIM goes down, it won't take the loop down with it. The CAN Bus protocol offers non-interrupted communication of remaining devices on the network.

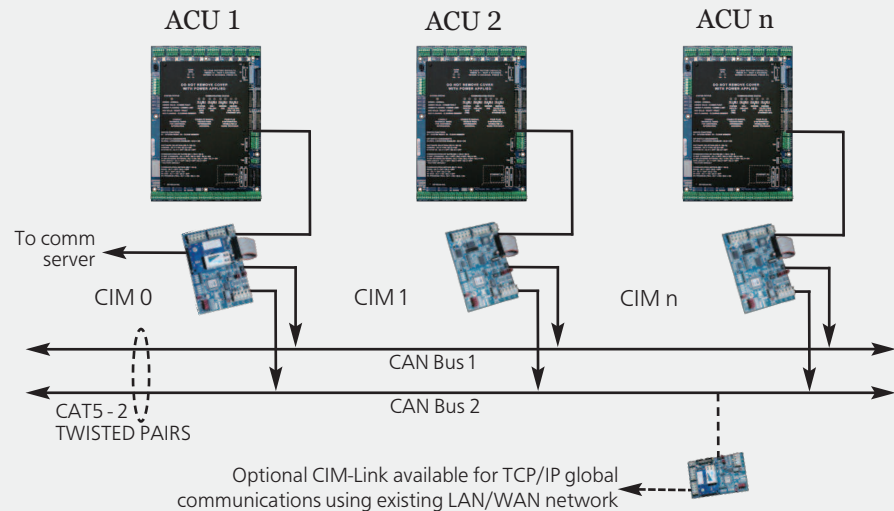
Ribbon Cable: Uses a simplified ribbon cable connection to control unit for fast installation.

Communication Speeds: Provides optimized communication speeds, up to 115K BPS.

Global Communication: Access Control Units with direct connectivity with the CAN Bus network now provide ACU to ACU communication without server dependence. This permits a host of new features and capabilities.

Enhanced Diagnostics: Provides many diagnostics for quick and easy troubleshooting.

Applications:



Specifications:

Operating Voltage:	12 VDC	CAN Bus:	CAN Bus 1 - Server to ACU communication
Current Draw (CIM only):	150 mA		CAN Bus 2 - ACU to ACU global communication
CIM with NETCOM2P/6P (encrypted):	290 mA	Firmware:	Minimum EPROM versions 7.40/8.20
Dimensions:	4 5/8" x 3" (11.7 cm x 7.6 cm)	Software:	Keyscan Aurora System 7.0.16 or higher Vantage 8.1.15 or higher
Operating Environment:	32 F - 140 F (0 C - 60 C)		
Topology:	Linear		
Network Support:	Standard, Encrypted, Reverse IP		

BPS/CAN Bus Distance Chart

PC / ACU Bit Rate	CAN Bus 1 & 2 CAT 5 Distance*	RS-232 Serial Distance
9600 or 19,200	3280 ft (1000m)	49.2 ft (15m)
57,500	984.25 ft (300m)	26.2 ft (8m)
115,200	262.46 ft (80m)	9.84 ft (3 m)

* Refers to the maximum recommended cabling distance between the 1st and last CIMs on any communication loop.

Network communication via NETCOM2P/6P

NETCOM2P or 6P (encrypted) TCP/IP converters plug directly into the CIM module to establish network communication and must first be programmed. The CIM module with the network connection is referred to as CIM 0. Refer to the NETCOM2P or 6P/CIM programming guides for full instructions.

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