

2 Reader Access Control Panel

Door 1



6 Conductor shielded 18 or 22 GA
Max Distance 500 ft



OR



OR



Keyscan or compatible readers

Door 2



1 Pair 22GA

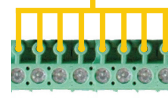
1 Pair 18GA

2 Pair 22GA



2x 16.5 VAC, 37 or 40VA
Transformer (not supplied)

12 VDC / 7AH back up battery
(not supplied)



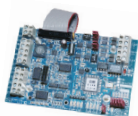
8 Aux Alarm Inputs
(N/C, single or dual
resistor supervision)

2 Aux output
relays

2 Pre-alert
output relays

2 Accessibility
output relays

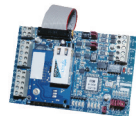
MULTIPLE PANELS



A CIM is required per
controller when there
is more than one
controller on the
communication bus.

2 Twisted Pairs (CAT5)
Distance: 1st to last CIM,
maximum CAN Bus 1 distance
3280 ft (1000m) @ 9600 bps

Ribbon Cable



5 Contactor shielded 22GA
Max distance 100 ft
Direct connect RS232



NETCOM2P/6P
OR
NETCOM2P/6P
& CIM

OR



REMOTE SITE(S)

LAN/WAN

Reverse Network
Connection Option

Mix and match the CA250 with any of
Keyscan's family of access control units

CA250

2 Reader Access Control Panel

		PoE Single Door Control System	Multiple Reader Access Control Systems				Elevator Floor Control Systems	
								
		CA150	CA250	CA4500	CA8500	EC1500	EC2500	
Access Control Unit	Doors/Elevator Floors Supported	1 door	2 doors	4 doors	8 doors	1 cab (up to 40 floors)	2 cabs (up to 16 floors)	
	Reader Ports	2 (In/Out)	2	4	8	1	2	
	Multi-ACU Compatibility	Yes (Ethernet)	Yes	Yes	Yes	Yes	Yes	
	System Status LEDs	Yes	Yes	Yes	Yes	Yes	Yes	
	Dual Processors	Yes	Yes	Yes	Yes	Yes	Yes	
	Flash Memory	Yes	Yes	Yes	Yes	Yes	Yes	
	Power Fail Output	NA	Yes	Yes	Yes	Yes	Yes	
Floor Monitor Inputs (Supervised)	NA	NA	NA	NA	Yes	Yes		
Inputs	Request to Exit (RTE) Inputs (Supervised)	1	2	4	8	NA	NA	
	Door Contact Inputs	1	2	4	8	NA	NA	
	Auxiliary Inputs (Supervised)	2	8	16	16	NA	NA	
	I/O Input Expansion	NA	NA	64 (banks of 16)	64 (banks of 16)	NA	NA	
Outputs	Auxiliary Output Relays	1	2	4	8	NA	NA	
	Expansion Auxiliary Output Relays	NA	NA	8	8	NA	NA	
	I/O Outputs	NA	NA	64 (banks of 16)	64 (banks of 16)	NA	NA	
	Door Output Relays	1	2	4	8	NA	NA	
Capacity	No. of Credential-holders	45,000 (up to 90,000*)	45,000 (up to 90,000*)	45,000 (up to 90,000*)	45,000 (up to 90,000*)	45,000 (up to 90,000*)	45,000 (up to 90,000*)	
	Transaction File Buffer	6000	6000	6000	6000	6000	6000	
	Time Zones	256	256	256	256	256	256	
	Time Schedules	512	512	512	512	512	512	
	Group Levels	511	511	511	511	511	511	
	Holiday Dates	64	64	64	64	64	64	
Connectivity	Ethernet Ready	Equipped	Optional	Optional	Optional	Optional	Optional	
	PoE - Power over Ethernet (IEEE 802.3af)	Equipped	NA	NA	NA	NA	NA	
	Global Integration	Network/Server Dependant	Capable (requires CIM)	Capable (requires CIM)	Capable (requires CIM)	Capable (requires CIM)	Capable (requires CIM)	
	CMAC Reverse IP	Equipped	Optional	Optional	Optional	Optional	Optional	
	Serial Communication	Yes (single panel)	Yes	Yes	Yes	Yes	Yes	