

IXP220 - Hardware Combinations and System Size Limits

Description	IXP220-1	IXP220-2	IXP220-3	IXP220-4
	Single APB Door or 2 non-APB Door System	4 APB Door System	256 APB Door System	Multi-site System (256 Doors per Site)
Total Number of Tags	1 000	2 000	10 000	10 000
Total Buffered Transactions	100 000	100 000	100 000	100 000
Sites per System	1	1	1	1 000
Controllers per Site	1	4	64	64
Terminal Fixed Addresses per Controller	2	2	2	2
Terminal Fixed Addresses per Door (Location)	2	2	2	2
Doors (Locations) per Zone	1	4	32	32
Zones per Site	1	4	32	32
Doors (Locations) per Controller	2	4	32	32
Tags per Tagholder	4	4	4	4
Tagholder Access Groups (per Site)	64	64	64	64

Description	IXP220-1	IXP220-2	IXP220-3	IXP220-4
Operating Voltage	18 V DC - 32 V DC or 16 V AC - 24 V AC	18 V DC - 32 V DC or 16 V AC - 24 V AC	18 V DC - 32 V DC or 16 V AC - 24 V AC	18 V DC - 32 V DC or 16 V AC - 24 V AC
Controller Communications Baud Rate	100 Mbps when using TCP/IP	100 Mbps when using TCP/IP	100 Mbps when using TCP/IP	100 Mbps when using TCP/IP
Terminal Communications Baud Rate	NA	38 400	38 400	38 400
Digital Inputs - per Controller (not used for Access Control)	1	1	1	1
Digital Inputs - per Controller (used for Access Control)	4	4	4	4
Onboard Relays - per Controller	3	3	3	3
Lift (Elevator) Control (per Site) (up to 32 floors per Lift (Elevator))	NA	NA	8 (Unlock Code Required)	8 (Unlock Code Required)
Maximum Fixed Addresses Supported (per Site)	2	8	512	512
Maximum Fixed Addresses Supported - APB Doors (per Site)	2	4	256	256
Host PC Communications	RS232, RS485, USB or TCP/IP	RS232, RS485, USB or TCP/IP	RS232, RS485, USB or TCP/IP	RS232, RS485, USB or TCP/IP

Description	IXP220-1	IXP220-2	IXP220-3	IXP220-4
Controller Bus Communications	No	RS485	RS485	RS485
Terminal Bus Communications	No	RS485	RS485	RS485
Input or Output Devices (per Site)	NA	NA	18	18
Actions	1	1	300	300
Tag Registration	USB Registration Reader or Any Reader	USB Registration Reader or Any Reader	USB Registration Reader or Any Reader	USB Registration Reader or Any Reader
Maximum Number of Holidays (per Site)	40	40	40	40
Access Time Patterns to each Access Group	8	8	8	8
Access Groups per Tag	1	1	1	1
Reason Codes (per Site)	99	99	99	99
Maximum Number of Tagholder Messages (per Site)	100	100	100	100
Maximum Number of Messages on Building Management	150	150	150	150
Database	Firebird 2.1	Firebird 2.1	Firebird 2.1	Firebird 2.1



IXP220-3 and IXP220-4 Systems are restricted to 10 000 Tags per System regardless of the number of Sites. In addition these Systems are also restricted to 10 000 Tags per Site. This restriction includes Tagholders (Tags) from other Sites with access to the original Site. In other words, Site A can have up to 10 000 Tags, Tagholders from Site B with access to Site A are therefore included in Site A's total Tag count.



In IXP220-3 and IXP220-4 the Input or Output Devices (per Site) figure represents the total number of input or output devices for use across Lift (Elevator) Control and Building Management.



In IXP220-1 and IXP220-2 the Actions figure represents the input and output available on the IXP220 Controller Printed Circuit Board (PCB).



In IXP220-3 and IXP220-4 of the 300 Actions allowed, you may only allocate 100 of these as Time Triggered Actions.



A Terminal with two Fixed Addresses, such as the ImproX iTT, is treated as two separate Terminals. In the same way, a Terminal with 3 Fixed Addresses (that is the ImproX MfT), is treated as three Terminals by the Software.



All figures provided are the maximum. In some cases interdependence between parameters; that is the maximum number of Zones per Controller depends on how many Terminals are used per Location.



Unlock System IXP220-3 for up to 1 000 Sites per System and 8 Lifts (Elevators) using the Multi-site and Elevator Control Licences. The Multi-Site License allows for a maximum of 1 seat, and the Elevator Control License allows for a maximum of 1 seat.