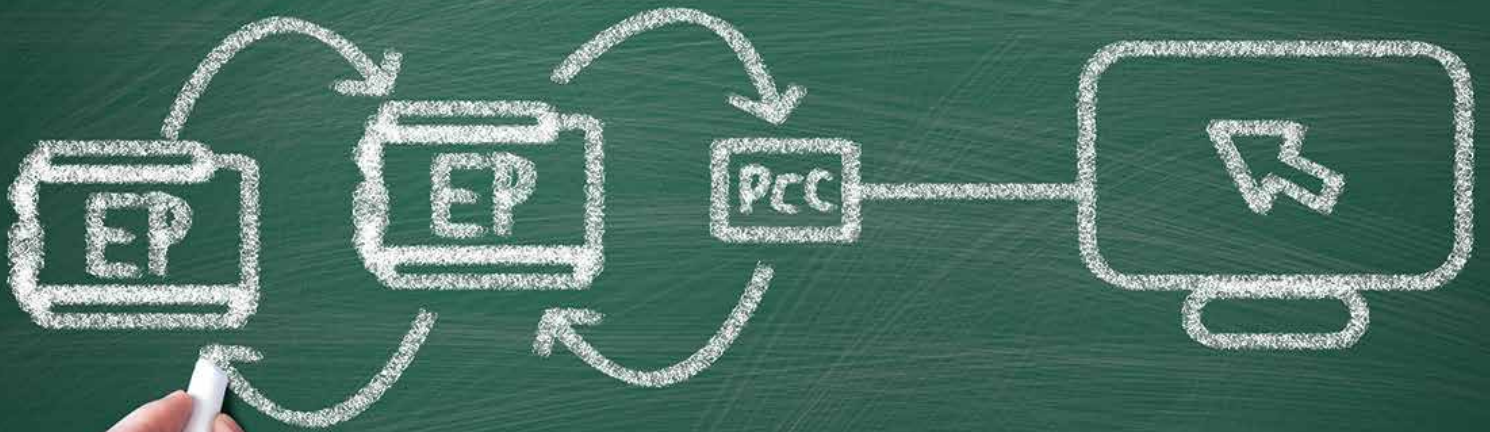# S3400
Serial Communication Control Panel

Still an important and relevant system today, EntryPass Serial Communicators enables transmission of information between computers or between computers and peripheral devices one bit at a time over a single line, either synchronous or asynchronous. Our range of Serial Communication devices varies from integrated controllers with built-in readers to advanced 4 readers control panel and even hybrid input/output control panels to suit your specific needs and requirements.
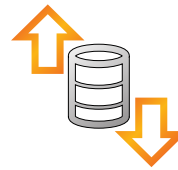
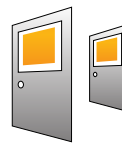**ENTRYPASS**™

S3400 Serial Communication Control Panel

HIGH PERFORMANCE

Based on the latest HCB (Hybrid Compact Board), S3400 is a high reliability, high efficiency and highly integrated intelligent multi-application control panel targeted for physical access control industry. It features a 32bits Freescale ColdFire microcontroller running at 60MHz, this control panel can fulfill most demanding requirement in physical access control environment.
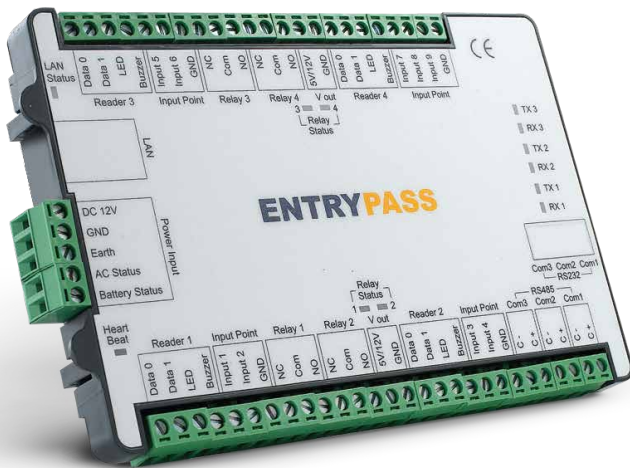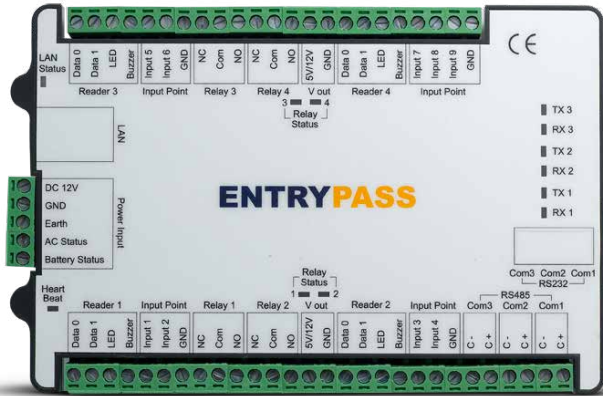
DYNAMIC STORAGE ALLOCATION (DSA)

DSA empower system administrator to modify the factory preset card holder and event storage database whenever necessary. Result of such modification leads a more personalized usage of the control panel whenever needed.

DOOR INTERLOCKING

2 In doors interlocking within the control panel, no external wiring is needed. Cross-board interlocking is achievable by checking the interlocking signal coming from second control panel before granting the accessibility to the local control panel.
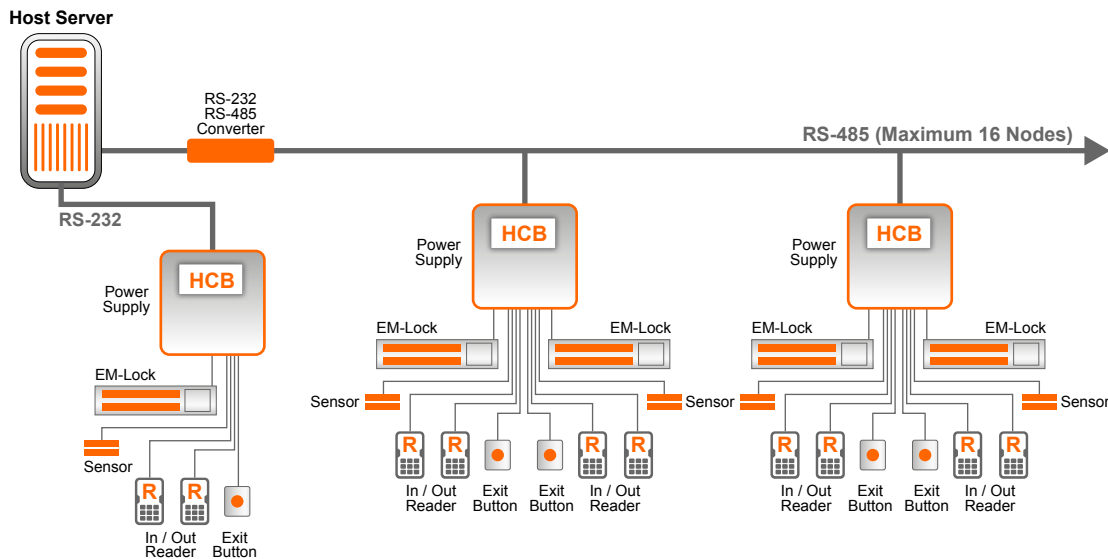
Feature Highlight

Support Single Door / 2 Doors / 4 In Doors

Support Car Park Mode

Support Dynamic Reader Location

Compatible with Various Reader Technologies

Configurable Digital / Supervised Inputs (8)

Event Based Triggering (EBT)

Unlimited Access Level

Onboard & Cross-Board Interlocking

User Counting (Card Holder / Car Park)

Reader Output Control

Dynamic Storage Allocation

Dynamic Operation Profile

Support 30,000 Users And 80,000 Events Memory

S3400 Serial Communication Control Panel

Basic System Diagram

Host Server

RS-232
RS-485
Converter

RS-485 (Maximum 16 Nodes)

RS-232

Power Supply — HCB

EM-Lock

Sensor

R — R — In / Out Reader — Exit Button

Power Supply — HCB

EM-Lock — EM-Lock

Sensor — Sensor

R — R — In / Out Reader — Exit Button — Exit Button — In / Out Reader — R — R

Power Supply — HCB

EM-Lock — EM-Lock

Sensor — Sensor

R — R — In / Out Reader — Exit Button — Exit Button — In / Out Reader — R — R

Technical Specification

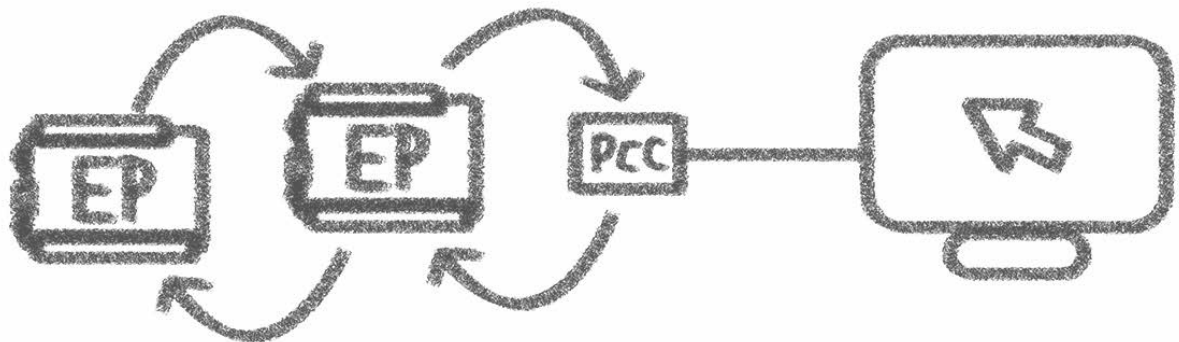| Hardware	Description
Dimension	158mm (w) x 90mm (H)
MCU	32bits @ 60MHz
Memory	256K Flash Memory
	32K SRAM (Buffer)
	64Mbits Non-Volatile SPI Flash Memory (Storage)
Operating Temperature	0 °C to 40 °C
Card holder	30,000
Event Transaction	80,000
Access Level	Unlimited Access Level
Digital/Supervise Inputs	Max. 8, User configurable
	(Door Sensor/Request-To-Exit/Fire Input/General Purpose)
Digital Output	Max. 4 Dry contact Relay
Onboard Real Time Clock	Yes
Serial Communication Port	RS232/RS485 User Configurable
Power Protection	Resettable Fuse - 2.5A
Surge Protection	TVS - Up to 15KVA
Onboard LED Control	Power / Communication / LAN / Event / Error
Onboard Buzzer	1
AC Fail Monitoring	Yes
Battery Monitoring	Yes (Firmware threshold control to shutdown control panel)
External Short Circuit Protection	At readers
Backup Battery	Yes, Apply to RTC only

Ordering Information

EP.S3400.PCB   Entrypass 4 Readers Advanced Serial Door Control Panel Only
EP.S3400.PSU   Entrypass 4 Readers Advanced Serial Door Control Panel with Power Supply Unit

ENTRYPASS™
TOTAL   CONTROL   IN   YOUR   HAND