

# ENTRYPASS

**EP.N5100**

## EntryPass Compliance Sheet

SPECIFICATION FOR ARCHITECTS, CONSULTANTS AND  
ENGINEERS (PHASE1 – V1.00)

| <u>ITEM</u>                   | <u>DESCRIPTION</u>                    | <u>TENDERER'S DATA &amp; COMPLIANCE</u> |
|-------------------------------|---------------------------------------|---|
| <b>General Specification:</b> |                                       |   |
| Manufacturer                  | EntryPass                             | _____                                   |
| Country of manufacturer       | Malaysia                              | _____                                   |
| Model                         | EP.N5100                              | _____                                   |
| MCU model                     | Freescale                             | _____                                   |
| MCU Bit                       | 32-bit                                | _____                                   |
| Operating frequency           | 60 MHz                                | _____                                   |
| Memory:                       | 256KB Flash Memory                    | _____                                   |
|                               | 32KB SRAM (Buffer)                    | _____                                   |
|                               | 32Mbits non volatile memory (Storage) | _____                                   |
| Onboard watchdog              | YES                                   | _____                                   |
| Onboard buzzer                | YES                                   | _____                                   |
| Onboard relay                 | YES (2 dry contact relay)             | _____                                   |
| Real time clock               | YES                                   | _____                                   |
| Backup battery                | YES (Apply to RTC only)               | _____                                   |
| Operating temperature         | 0 °C to 40 °C                         | _____                                   |
| Card user capacity            | 3000 cards                            | _____                                   |
| Transaction capacity          | 10000 transactions                    | _____                                   |
| Digital/Analogue input        | 4 configurable inputs                 | _____                                   |
| Communication type            | TCP/IP                                | _____                                   |
| Number of reader supported    | 2                                     | _____                                   |
| AC fail monitoring            | YES                                   | _____                                   |

|   |   |  |
|---|---|--|
| Battery monitoring                              | YES (firmware threshold control to shutdown controller board) |  |
| ActiveTransmit transaction                      | YES   |  |
| ActivePush card downloading capability          | YES   |  |
| ActiveCard Searching                            | YES   |  |
| ActiveResponse                                  | YES   |  |
| Built-in web server                             | YES   |  |
| Upgradable firmware via built-in web server     | YES   |  |
| Peer to peer antipassback (Global Antipassback) | YES   |  |
| Wizard based configuration                      | YES   |  |
| Support multiple card bit                       | YES (up to 64 bit)  |  |
| Onboard & Cross-board interlocking              | YES   |  |
| Time set  | Unlimited time set with 3 intervals each                      |  |
| Time zone                                       | Unlimited time zone   |  |
| Access level                                    | access level up to 255  |  |
| Support dynamic reader location                 | YES   |  |
| Support dynamic storage allocation (DSA)        | YES   |  |
| Support event base triggering                   | YES   |  |

**Protection:**

|   |                   |       |
|---|-------------------|-------|
| Reverse polarity protection                   | YES               | _____ |
| Surge protection                              | YES (Up to 15KVA) | _____ |
| Resetable fuse                                | YES               | _____ |
| External short circuit protection (At reader) | YES               | _____ |

**Power Specification:**

|                     |       |       |
|---------------------|-------|-------|
| Input voltage       | 12VDC | _____ |
| Current consumption | 350mA | _____ |

**Power Supply Unit:**

|                               |                       |       |
|-------------------------------|-----------------------|-------|
| Model                         | SMPS 350              | _____ |
| Input voltage                 | 230VAC                | _____ |
| Output voltage                | 13.2VDC               | _____ |
| Maximum output current        | 3A                    | _____ |
| Regulated output              | YES                   | _____ |
| Voltage low cut-off           | YES                   | _____ |
| Voltage low cut-off threshold | 10VDC                 | _____ |
| Restoration threshold         | 12VDC                 | _____ |
| Battery charging terminals    | YES (12VDC 7AH)       | _____ |
| Fuse protection               | YES (AC input and DC) | _____ |
| On board ON/OFF switch        | YES                   | _____ |

**Physical Dimension And Weight Measurement:**

## a) N5100 controller

Dimension (W x L) 158mm x 90mm

Weight (PCB only) 320g

## b) Casing

Dimension (W x L x H) 289mm x 309mm x 85mm

Weight 1040g

Weight (With power  
supply unit) 1400g

Casing material ABS (Fire Retardant)

**Visual Indicator**

Heartbeat LED YES

Power LED YES

Communication LED YES

Event LED YES

Error LED YES

Network connectivity YES

**Other Specification:**

|  |   |       |
|--|---|-------|
| Type of reader technology                | EM proximity  | _____ |
|  | HiD iClass  | _____ |
|  | HiD proximity                                       | _____ |
|  | Mifare  | _____ |
|  | Suprema fingerprint reader<br>(selected model only) | _____ |
| Controller type of mode                  | IN and OUT Reader                                   | _____ |
|  | 2 Doors   | _____ |
|  | IN and OUT Barrier                                  | _____ |
|  | 2 Turnstiles  | _____ |
|  | IN and OUT Turnstile                                | _____ |
| Holiday                                  | 365   | _____ |
| Door open pin                            | 3 sets  | _____ |
| Facility codes                           | 3 sets  | _____ |
| Door release time                        | 99 seconds (max)                                    | _____ |
| Door open time                           | 99 seconds (max)                                    | _____ |
| Antipassback feature                     | YES   | _____ |
| Antipassback lockout<br>count            | YES   | _____ |
| User counting (card holder/<br>car park) | YES   | _____ |
| Card plus pin feature                    | YES   | _____ |
| Card plus pin lockout                    | YES   | _____ |
| Buddy mode feature                       | YES   | _____ |
| Guard tour feature                       | YES   | _____ |
| Fire release feature                     | YES   | _____ |

|  |     |       |
|--|-----|-------|
| Auto lock release by<br>time zone control      | YES | _____ |
| Exit requesting button<br>control by time zone | YES | _____ |
| Card expiring checking                         | YES | _____ |
| Inhibit mode                                   | YES | _____ |