# I-87051W Specifications
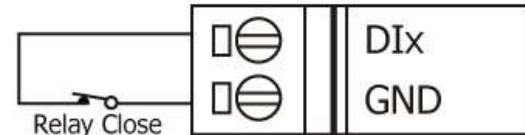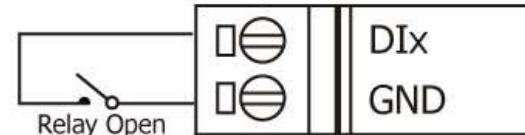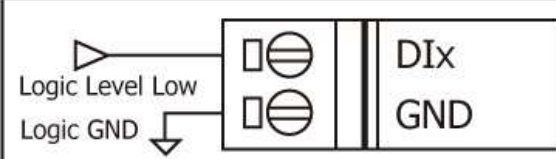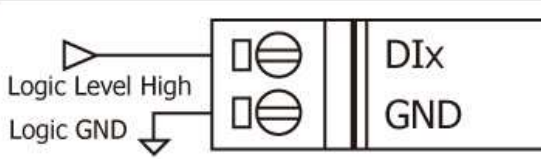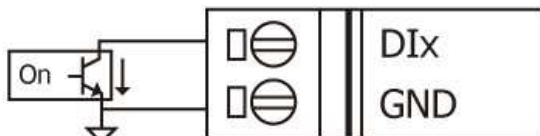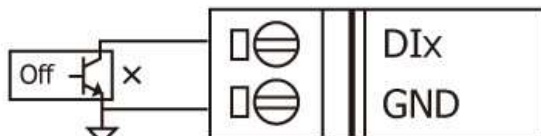
| Digital input Module | |
|---|---|
| **Input Channels** | **16(Sink)** |
| **Input Type** | **Non-Isolated** |
| **ON State** | **+1V Max (Connect to GND)** |
| **OFF State** | **+3.5V~30V (Open)** |
| **Isolation Voltage** | **3750 Vrms** |
| **4KV ESD Protection** | **Yes, contact for each terminal** |
| **LED Display** | **1 LED as Power/ Communication Indicator 16 LED as Digital Input Indicators** |
| **Power Consumption** | **0.5W max.** |

# I-87051W Pin Assignment
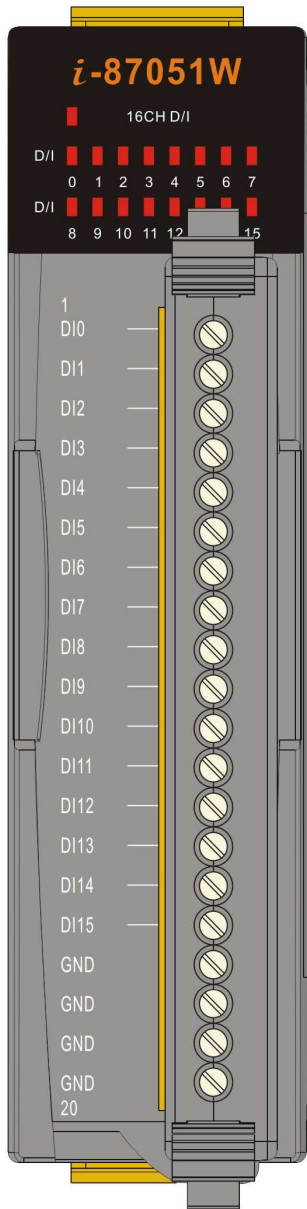
| Terminal No. | Pin Assignment Name |
|---|---|
| 01 | DI0 |
| 02 | DI1 |
| 03 | DI2 |
| 04 | DI3 |
| 05 | DI4 |
| 06 | DI5 |
| 07 | DI6 |
| 08 | DI7 |
| 09 | DI8 |
| 10 | DI9 |
| 11 | DI10 |
| 12 | DI11 |
| 13 | DI12 |
| 14 | DI13 |
| 15 | DI14 |
| 16 | DI15 |
| 17 | GND |
| 18 | GND |
| 19 | GND |
| 20 | GND |

# I-87051W Wire Connection Type

| Input Type | ON State LED ON<br>Readback as 1 | OFF State LED OFF<br>Readback as 0 |
|---|---|---|
| Relay Contact | Relay ON<br><br>DIx GND<br>Relay Close | Relay Off<br><br>DIx GND<br>Relay Open |
| TTL/CMOS Logic | Voltage < 1V<br><br>Logic Level Low<br>Logic GND<br>DIx GND | Voltage > 3.5V<br><br>Logic Level High<br>Logic GND<br>DIx GND |
| Open Collector | Open Collector On<br><br>On<br>DIx GND | Open Collector Off<br><br>Off ×<br>DIx GND |

# I-87051W Internal I/O Structure