**DSX Access Systems, Inc.**

# DSX-1048 Intelligent Controller



- **Scalable Architecture 2-8 doors**

- **TCP/IP Communications**

- **Individual Intelligence**

- **512K RAM / 512K Flash ROM**

- **UL 294 / UL 1076**

- **240+ Card and Keypad Formats**

- **FIPS/TWIC Card Compatibility**

- **Real Time Processing and Communications**

- **Integrated Power Supply and Distribution**

# DSX-1048 Specifications

**Processor**
AM186 20Mhz
**RAM/ROM Memory**
Flash ROM 512K
Standard RAM 512K
**Communication Ports**
DSX-1042
RS-232 In 1 Master to PC
RS-232 Out 1 Panel to DSX-1040CDM
1040CDM
RS-232 In 1 Master to DSX-1040CDM
RS-232 Out 1 Slave Communications
RS-485 In 1 From previous DSX-1048 Package
RS-485 Out 1 To subsequent DSX-1048 Packages
**Power Requirements**
DSX-1042 13.5 VDC @ 300ma from 1040CDM
DSX-1040CDM 13.5 VDC @ 150ma from 1040PDP
Total Maximum Current 13.5 VDC @ 6.0A
**Output Voltage**
Panel outputs provide a regulated, fused, DC voltage.
DSX-1042 9-13.5VDC - 12VDC nominal - 1A Fused
DSX-1040CDM 9-13.5VDC - 12VDC nominal - 1.5A
Fused
DSX-1040CDM 5VDC - .5A Fused
All Outputs are Class II, Power Limited
**Inputs**
EOL Supervised 32
**16 Inputs** are used for standard point monitoring.
**16 Inputs** are used for door position and exit request
monitoring.
All Inputs support two, three, and four state monitoring
with five programmable circuit types.
**Outputs**
Form C Relays 8
Relay Output Ratings 5 AMP - 30VDC
Open Collector Outputs 8 - negative 100ma
LED Outputs 24 - 3 per reader port - negative 100ma
Pre-Alarm Outputs 8 - 1 per door - negative 100ma
**Access Controlled Entry Points**
Card Reader or Keypad 8
Card and Reader Formats 240+ including FIPS/TWIC
Any combination of card readers, keypads, or card and
keypad controlled entry points may be used.

**Equipment Size**
DSX-1040CDM 11" W x 4.5" H x 1.5" D
DSX-1042 11" W x 4.5" H x 1.5" D
**Equipment Weight**
DSX-1040CDM          1.0 lb.
DSX-1042             1.2 lb. each
**Enclosure Type**
Nema Type 1 equivalent enclosure with lift-off hinged
door, lock/key, and tamper switch.
**Enclosure Size**
DSX-1040E Cabinet 15.5" W x 22.5" H x 6" D
**Enclosure Weight**
DSX-1040E Cabinet   19.2 lb.
**Finish**
Black Powder Coat with White Silkscreen on Enclosure
and Black Enamel on DSX-1042.
**Conduit Knockouts**
Concentric knockouts in Top, Bottom, and Sides.
Knockouts accommodate 1/2, 3/4, 1, 1 3/4 inch conduit.
**Temperature**
Operating 32 to 131 F
Storage -35 to 150 F
**Humidity**
Operating 0 to 95%, relative
**Warranty**
Limited 2 Years