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Features

- Customizable panels offer user choice of signal connector types
- Accepts up to three DBK analog expansion cards or three DBK digital expansion cards (not possible to mix digital and analog cards within the same DBK60 enclosure)
- Backplane eliminates the need for a cascading ribbon cable
- Enables easy card installation
- Rugged all metal construction for portable applications
- Attaches to the P1 analog connector or P2 digital connector



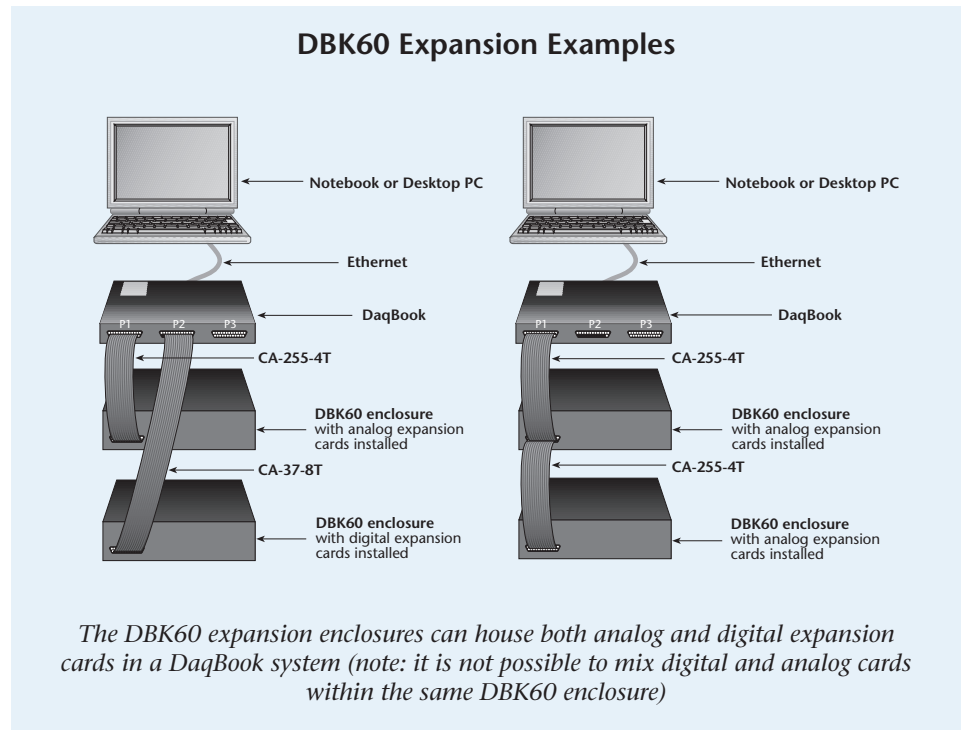
The DBK60 analog or digital expansion module may be customized with the user's choice of signal connectors

The DBK60 expansion module allows IOtech's data acquisition systems to be expanded with any combination of up to three analog or three digital DBK signal conditioning and expansion cards. Removable termination panels offer the user a choice of connector types including BNC, removable screw-terminal, thermocouple, and safety jack. Each panel includes pre-stripped wires by which the user can connect to any of the three DBK cards installed in the DBK60 enclosure. A user-customizable blank termination panel is also available for custom applications.

The DBK60's three-card internal backplane eases cabling by bringing all connections out to a single DB37, thus only a single cable is required to attach a DBK60 to a system. Analog and digital DBK cards cannot be mixed within one DBK60 enclosure, and thus a separate enclosure is required for analog or digital cards.

An unlimited number of DBK60 enclosures can be secured to one another, and the metal enclosure features a slide-in drawer for easy access to the DBK cards.

Termination Panels. To complement DBK cards installed in the DBK60 enclosure, users have a choice of seven termination panels that provide a variety of input connectors. The termination panels screw-mount to the rear of the DBK60 chassis, and include the appropriate-style wire to connect each input to an enclosed DBK card.

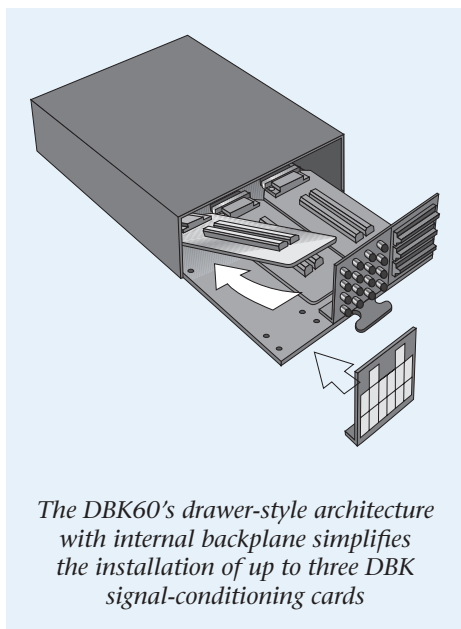


Packaging. The DBK60 can be stacked beneath a data acquisition module. The result is a compact and securely connected

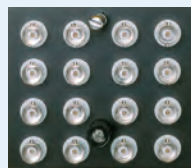
data acquisition system that can be conveniently carried from one application site to another.

DBK60

Specifications & Ordering Information



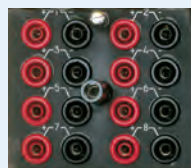
DBK60 Termination Panels



BNC termination panel (DBK602) features 16 BNC connectors



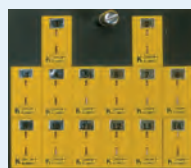
Removable-block screw-terminal termination panel (DBK606) offers 48 convenient connections



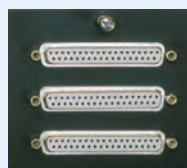
Safety-jack termination panel offers 16 connectors (Red and black jack-pairs, DBK604 shown)



Slotted panel with adjustable clamp that holds wires in place (DBK607)



Thermocouple termination panel (DBK605) features 14 connectors for types J, K, and T thermocouples



DB37-style termination panel (DBK608) features three standard 37-pin female connectors

Note: DBK601 not shown

Specifications

Capacity: Accommodates up to 3 DBK expansion cards; digital and analog DBK cards cannot be mixed within a single DBK60 enclosure

Material: Aluminum

Finish: Black, powder-coated

Dimensions: 280 mm W x 356 mm D x 89 mm H (11" x 14" x 3.5")

Weight: 3.08 kg empty (7 lbs); cards 0.25 to 0.75 kg each (8 to 12 oz)

Note: Digital and analog DBK cards CANNOT be mixed within one DBK60 enclosure.

Ordering Information

Description

3-slot expansion module with three DBK601 blank termination panels

Part No.

DBK60

Termination Panels

Additional blank termination panel

DBK601

16-connector BNC termination panel

DBK602

16-connector (8 pairs) red and black safety-jack termination panel and wiring kit

DBK604

14-connector type J thermocouple panel and wiring kit (male thermocouple connector sold separately)

DBK605-J

14-connector type K thermocouple panel and wiring kit (male thermocouple connector sold separately)

DBK605-K

14-connector type T thermocouple panel and wiring kit (male thermocouple connector sold separately)

DBK605-T

48-connector removable-block screw-terminal panel and wiring kit

DBK606

Slotted termination panel with adjustable clamp

DBK607

Three DB37 female connector termination panel and wiring kit

DBK608

Male Connectors for Subminiature TC Jacks

Description

Type J male connectors

Type K male connectors

Type T male connectors

Part No.

CN-144-JM

CN-144-KM

CN-144-TM

Accessories & Cables

Rack mount kit

RackDBK-1

Molded T expansion cable; 4 in.

CA-255-4T

Ribbon cable, where x is the number of DBK devices attached

CA-37-x

Note: The CA-37-x ribbon cable can also be used in lieu of the CA-255-x molded T cables.

Product Compatibility

- ✓ LogBook
- ✓ DaqBook
- ✓ DaqLab
- ✓ DaqScan
- ✓ DaqBoard/2000 Series

* Attachment to the DaqBoard/2000 Series requires a DBK200, DBK202, DBK203A, DBK209, DBK213, or DBK214



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