



# DBK32A™

## Auxiliary Power Supply Card



Compatibility: ✓ LogBook ✓ DaqBook

### Features

- Provide auxiliary power for expanding IOtech's data acquisition systems
- Install into a DBK10™, DBK41™, or DBK60™ expansion enclosure

The **DBK32A™** provides auxiliary power to meet certain configurations (see calculating your power needs). The DBK32A provides IOtech's data acquisition systems with additional power ( $\pm 15$  VDC at 500 mA) in system configurations where the number of expansion cards exceeds the built-in power capacity.

The **DBK32A** can be installed directly into a DBK10, DBK41, or DBK60 expansion enclosure. Each is compatible with all DBK cards and is powered via an included AC adapter, a **DBK30A™** battery/excitation module, a **DBK34A™** battery/UPS module, or any 9 to 18 VDC source.

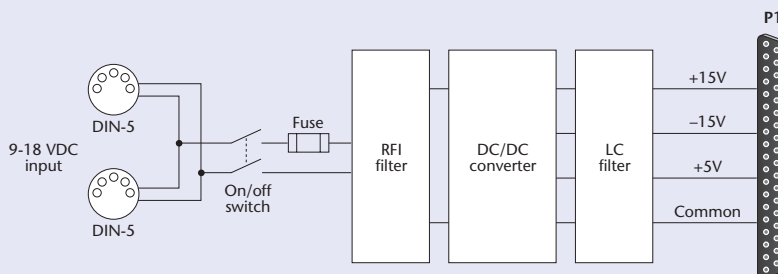


The **DBK32A** provides additional power for LogBook and Daq systems when the power expansion needs exceed the built-in capacity of the mainframe

### Specifications

- Line Regulation: 0.5%
- Load Regulation: 1.0%
- Total Output Power: 16 VA full load
- Input Voltage Range: 9 to 18 VDC
- Included AC Adapter: 15 VDC @ 3.33A
- Full Load Input Current Range: 1.05A @ 18 VDC, 2.10A @ 9 VDC
- Full Load Efficiency: 80%
- Parallel Provision: OR-ing diodes on output lines allow use of multiple DBK32A's in larger systems
- Controls: ON/OFF rocker arm switch
- Indicators: LED driven by input voltage
- Over-Voltage Protection: Fuse followed by 19V zener clamp
- Switching Frequency: 100 kHz min
- Environment: -20° to 70°C
- Input Fuse: 3A
- Dimensions: 209 mm W x 19 mm D x 82 mm H (8.25" x 0.75" x 3.25")
- Connector: DB37 male, mates with P1 and supplies power to other DBK cards; input power accepted via DIN5
- Isolation Input-to-Output: 500 VDC
- Output Voltages:
  - +15 VDC nominal @ 535 mA
  - 15 VDC nominal @ 535 mA

### Auxiliary Power Supply Card Block Diagram



### Ordering Information

Description	Part No.
Auxiliary power supply card with AC adapter	DBK32A

### Cables

5-pin male DIN to 5-pin male DIN, 6 in. CA-115  
 For use with DBK10, use CA-37-x ribbon cable, or contact factory of additional cabling options  
 For use with DBK60 or LogBook360, no cable is required (except from DBK60 or LogBook/360 to the A/D mainframe)  
 For use with no enclosure, use CA-37-x where x is the number of DBK devices attached  
 For use with DaqLab series (internal slots), use CA-255-2T with one board, or CA-37-2 for use with two DBK cards (or contact factory for additional cabling options)

For complete information on accessories and cables, visit [www.iotech.com/acc](http://www.iotech.com/acc)

### Related Products

- LogBook
- DaqBook
- DBK10
- DBK30A
- DBK34A
- DBK41
- DBK60