



## 1. Computer, littledog



★★★★★  (10 customer reviews)

---

Price: **\$549.99** Free Standard Shipping (3-5 days) [Details](#)  
[Special Offers Available](#)

**In Stock.**  
Ships from and sold by **Amazon.com**.

**Want it delivered Monday, October 4?** Order it in the next 21 hours

**4 new** from \$549.99    **1 used** from \$549.50

 **Want Office 2010 on Your New PC?**  
Upgrade to the latest version for a great

**Small Form Factor Computer, Moderate speed, linuxOS, \$550.**

## 2. Motor Controller

Part Number	Description	1pc/100pc
DMC-4113	1-axis Ethernet/USB controller card	\$1095 / \$795
DMC-4123	2-axis Ethernet/USB controller card	\$1195 / \$865
DMC-4133	3-axis Ethernet/USB controller card	\$1345 / \$925
DMC-4143	4-axis Ethernet/USB controller card	\$1495 / \$995
DMC-4153	5-axis Ethernet/USB controller card	\$1695 / \$1145
DMC-4163	6-axis Ethernet/USB controller card	\$1795 / \$1215
DMC-4173	7-axis Ethernet/USB controller card	\$1895 / \$1280
DMC-4183	8-axis Ethernet/USB controller card	\$1995 / \$1345
<a href="#">BOX4</a>	Metal Enclosure for 1-4 axis models	\$100 / \$75
<a href="#">BOX8</a>	Metal Enclosure for 5-8 axis models	\$125 / \$100
AMP-43040 (-D3040)	Four 500W servo drives	\$700 / \$400
AMP-43020 (-D3020)	Two 500W servo drives	\$450 / \$275
AMP-43140 (-D3140)	Four 20W servo drives	\$175 / \$155
SDM-44040 (-D4040)	Four 1.4A stepper drives	\$175 / \$155
SDM-44140 (-D4140)	Four 3.0A microstep drives	\$600 / \$400
SR-49000 (-SR55)	Shunt Regulator (55V)	\$50 / \$35
<a href="#">PS-2.50-24</a>	60 Watt Power Supply (2.5Amps at 24V)	\$85 / \$60
PSR-12-24	12A-24 VDC Power supply	\$250 / \$175
PSR-6-48	6A-48 VDC Power Supply	\$250 / \$175
<a href="#">ICS-48115-F</a>	15-pin D LD female to screw term	\$50 / \$35
<a href="#">ICS-48044-M</a>	44-pin D HD male to screw term (I/O)	\$75 / \$50
<a href="#">ICS-48026-M</a>	26-pin D HD male to screw terminals	\$75 / \$50
<a href="#">GalilTools</a>	GalilTools	\$195
<a href="#">GalilTools-Lite</a>	GalilTools-Lite (editor/terminal/watch)	\$20 CD
ActiveX Toolkit	Active X toolkit	\$595

DMC-4183, 8 axis controller, \$1995  
Metal Enclosure, \$125  
Power Supplies, \$80,  
GalilToos \$200  
Approx \$2.5K total

### 3. Ethernet IO control unit

Part Number	Description	1pc/100pc
RIO-47100	Remote I/O Controller with 0-5V analog	\$295 / \$195
RIO-47120	Remote I/O Controller with +/-10V analog	\$345 / \$245
RIO-47120-16	RIO-47120 with 16-bit ADC/DAC	\$395 / \$295
RIO-47102	RIO-47100 with expanded memory	\$345 / \$245
RIO-47122	RIO-47120 with expanded memory	\$395 / \$295
<a href="#">RIO-47200</a>	RIO w/screw terminals, DIN & 5V analog in	\$345 / \$245
RIO-47202	RIO-47200 with expanded memory	\$395 / \$295
<a href="#">ICS-48026-M</a>	26-pin D HD male to screw terminals	\$75 / \$50
<a href="#">ICS-48044-M</a>	44-pin D HD male to screw term (I/O)	\$75 / \$50
<a href="#">SCB-48206</a>	Signal conditioning board for RTDs	\$175 / \$125
<a href="#">SCB-48306-KTYPE</a>	Signal conditioning board for K thermocouples	\$175 / \$125
<a href="#">SCB-48316-KTYPE</a>	Signal conditioning board for K thermocouples	\$225 / \$175
<a href="#">PS-0.25-24</a>	6 Watt Power Supply (250mA at 24V)	\$50 / \$35
<a href="#">PS-2.50-24</a>	60 Watt Power Supply (2.5Amps at 24V)	\$85 / \$60
CABLE-44-1m	44-pin HD male D to discrete wires-1 meter	\$35 / \$24
CABLE-44-2m	44-pin HD male D to discrete wires-2 meter	\$40 / \$27
CABLE-26-1m	26-pin HD male D to discrete wires-1 meter	\$25 / \$25
-DIN rail mounting clip for RIO	-DIN rail mounting clip for RIO	\$25 / \$20
<a href="#">Ladder Interface Software</a>	Ladder Interface Software	\$195
<a href="#">GalilTools</a>	GalilTools	\$195
<a href="#">GalilTools-Lite</a>	GalilTools-Lite (editor/terminal/watch)	\$20 CD

RIO\_47122, \$400, 2 each

## 4. DigiPort Terminal Server

Digi Online Store: PortServer® TS 16 Page 1 of 1



[Contact us](#) [Partner login](#) [Digi International Sites](#)

[Products](#) [Applications](#) [Support](#) [News](#) [About us](#) [Where to buy](#)

Cart items: 0 Total: \$0.00

Welcome! [Please sign in or register here](#)

- [Drop-in Networking](#)
- [Embedded](#)
- [Wireless](#)
- [Remote Display](#)
- [Connectivity](#)
- [Console Servers](#)
- [Cameras and Sensors](#)
- [USB and Serial](#)
- [Connectivity](#)
- [Government Store](#)
- [Accessories](#)
- [Clearance Items](#)

- [View cart](#)
- [Wishlist](#)
- [My account](#)
- [Search](#)
- [Online store home](#)



### PortServer® TS 16

Product #: 70001733  
**Our Price: \$1,363.00**

[\[Add to Wishlist\]](#)

Quantity:  PortServer® TS 16 [Add to Cart](#)

- 16 serial ports (RJ-45)
- RS-232 only
- SSHv2, Radius authentication, port buffering
- 10/100Base-T Ethernet
- Digi's patented RealPort® COM port redirector

## 5. WTI IPS-800 AC power control unit.

### IPS-800 Internet Power Switch Dual 15A 120V (8)5-15R

Designed to Solve Problems... Manufactured to Endure.

← ↑ →

IPS-800 Internet Power Switch Dual 15A 120V (8)5-15R

SKU: IPS-800  
Weight: 9.00  
Price: \$695.00 (USD)



Quantity:  [Add to Cart](#)

[E-mail this product to a friend](#)

 [View larger image](#)

## 6. Motors

SmartMotor SM3416

[QUOTE](#)



[larger image](#)

### Specifications

Peak Torque (Tp)	150 oz-in; 1.06 N-m
Continuous Torque (Tc)	125 oz-in; 0.88 N-m
No Load Speed	2600 RPM
Nominal Power	0.24 HP; 0.18 kW
Voltage Constant	15.50 V/kRPM
Winding Resistance	0.6 Ohms
Rotor Inertia	0.0140 oz-in-s <sup>2</sup> , 9.89 10 <sup>-5</sup> kg-m <sup>2</sup>
Encoder Resolution	4000 ppr (post-quad)
Weight	5.0 lbs; 2.27 kg
Available	Yes

Replace SM3410-V, cost is approx \$1200.



Motion Control Made Easy!

**IP65 Rated Sealed Stepper Motors**

Anaheim Automation, Inc. provides a line of High-Torque Stepper Motors that are IP65 rated for harsh environments. These IP65 rated motors meet the splash proof requirements of most applications with humid or damp environments. Sealed shafts further protect the motor, which allows for longer life cycles. These motors are available in NEMA frame sizes 17 to 42, the smallest beginning with 38 ounce inches of torque, to the largest with up to 5,700 ounce inches of torque! The IP65 Sealed Stepper Motor series is an excellent choice for lab automation, biotech, and semiconductor automation equipment, just to name a few. Special shaft modifications are available, as well as cable, connector and encoder adders, making Anaheim Automation's IP65 Sealed Stepper Motor line the most comprehensive from a single source.

**17L65**

The 17L65 Sealed Stepper Motor series is offered in three stack versions, with torque rated from 38 to 83 ounce inches. These high-torque motors are 1.8° step angle, available in several windings, with four lead wires as standard. Customization is available.



*Please click on the series number for a complete part number.*

Series #	Starting Price (USD)		Length (in)	Peak Torque (oz-in)	Shaft Diameter (in)	Weight (lbs)	Helpful Links
	1 Piece	50 Piece					
17L650	\$155.00	\$124.00	1.34	40	0.1968	0.4	
17L651	<del>\$188.00</del>	<del>\$150.40</del>	1.57	63	0.1968	0.6	
17L652	\$220.00	CALL US	1.88	83	0.1968	0.7	

**23Y65**

The economical 23Y65 Sealed Stepper Motor series is offered in three stack versions, with torque rated from 76 to 262 ounce inches. These high-torque motors are 1.8° step angle, available in several windings, with four lead wires as standard. Customization is available.



*Please click on the series number for a complete part number.*

Series #	Starting Price (USD)		Length (in)	Peak Torque (oz-in)	Shaft Diameter (in)	Weight (lbs)	Helpful Links
	1 Piece	50 Piece					
23Y651	\$95.00	\$64.10	2.21	175	0.25	1.55	
23Y652	\$108.80	\$78.40	3	262	0.25	2.21	

**23L65**

The 23L65 Sealed Stepper Motor series is offered in four stack versions, with torque rated from 55 to 320 ounce inches. These high-torque motors are 1.8° step angle, available in several windings, with four lead wires as standard. Customization is available.



*Please click on the series number for a complete part number.*

Series #	Starting Price (USD)		Length (in)	Peak Torque (oz-in)	Shaft Diameter (in)	Weight (lbs)	Helpful Links
	1 Piece	50 Piece					
23L650	\$295.00	\$236.00	1.73	72	0.25	1.05	
23L651	\$309.00	\$247.20	2.17	130	0.25	1.5	
23L652	\$345.00	\$276.00	3.1	210	0.25	2.2	
23L653	\$375.00	\$300.00	4.02	260	0.25	2.2	

**34Y65**

The economical 34Y65 Sealed Stepper Motor series is offered in four stack versions, with torque rated from 467 to 1,700 ounce inches. These motors are 1.8°, equipped with a conduit box as standard. Customization is available.



*Please click on the series number for a complete part number.*

Series #	Starting Price (USD)		Length (in)	Peak Torque (oz-in)	Shaft Diameter (in)	Weight (lbs)	Helpful Links
	1 Piece	50 Piece					
34Y651	\$256.40	\$194.50	3.15	637	0.5	5.1	
34Y652	\$309.60	\$230.50	4.65	1200	0.5	8.4	
34Y653	\$362.00	\$266.00	6.14	1700	0.625	12	

**34N65**

The powerful 34N65 Sealed Stepper Motor series is offered in four stack versions, with torque rated from 850 to 2,180 ounce inches. These motors are 1.8° with a conduit box as standard. Customization is available.



*Please click on the series number for a complete part number.*

Series #	Starting Price (USD)		Length (in)	Peak Torque (oz-in)	Shaft Diameter (in)	Weight (lbs)	Helpful Links
	1 Piece	50 Piece					
34N651	\$644.80	\$483.70	4.44	835	0.5	5	
34N652	\$790.00	\$592.60	5.96	1195	0.5	8.4	
34N653	\$1,052.80	\$789.70	7.48	1710	0.625	11.9	
34N654	\$1,333.00	\$999.80	8.99	2180	0.625	15.1	

**34K65**

The 34K65 Sealed Stepper Motor series is the most powerful in the 34 frame size, and is offered in four stack versions, with torque rated from 800 to 2,725 ounce inches. These motors are 1.8° with a conduit box as standard. Customization is available.



*Please click on the series number for a complete part number.*

Series #	Starting Price (USD)		Length (in)	Peak Torque (oz-in)	Shaft Diameter (in)	Weight (lbs)	Helpful Links
	1 Piece	50 Piece					

## 7. Analog Condition/Comparator Board

The analog signal from the Hall Effect sensors used by the mechanism requires conditioning prior to being sample in an A/D or feed into an TTL input. A custom board by the IRTF EE will be build. Estimated cost for board manufacture and parts is \$600 per board.

## 8. Three electronic chassis, and power supplies

4/5/2010 Digi-Key - Add Part

**Web ID** 31145590 **Access ID** 42283 **Salesorder Number** Uncommitted [Login](#)

Pricing is valid for this Web ID until 4/8/2010 if you place your order online

If you need to find a part number, use the search box in the upper right of the page or click the icon here.   
 If you know exactly what you want, fill in the quantity, part number, and optional customer reference number below and select **Add to Order**.

Quantities are not reserved until the order has been submitted. You will be reminded of backorder quantities at submit time. Available quantities may have changed due to real time inventory. To check current availability, click the "Refresh Quantities" button below.

Quantity	Part Number	Customer Reference	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add to Order"/>

Click on the **Part Number** to **MODIFY** or **DELETE** an item from your order.

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price USD	Extended Price USD
1	4	<a href="#">377-1393-ND</a>	CHASSIS RACKMOUNT 7" X 22"		<b>2</b> <u>Lead Time</u>	94.20000	\$376.80
2	8	<a href="#">377-1229-ND</a>	HANDLE CHROME MOUNTING CENTER 4"		0	6.40000	\$51.20
3	4	<a href="#">377-1396-ND</a>	COVER FOR CHASSIS RACKMNT SOLID		0	33.60000	\$134.40
4	4	<a href="#">377-1397-ND</a>	COVER FOR CHASSIS RACKMOUNT VENT		0	35.50000	\$142.00
5	4	<a href="#">377-1201-ND</a>	SLIDE 3/4 EXTENSION 20" PAIR		0	35.10000	\$140.40
6	21 <a href="#">Supplier Direct Ship NCNR</a>	<a href="#">S85101RC1419S50-ND</a>	CONN RCPT 19POS CBL MNT W/SCKT		<b>6</b> <u>Lead Time</u>	53.23000	\$1,117.83
7	21 <a href="#">Supplier Direct Ship NCNR</a>	<a href="#">S85102R1419P5044-ND</a>	CONN RCPT 19POS BOX MNT W/PINS		0	41.14500	\$864.05
8	21 <a href="#">Supplier Direct Ship NCNR</a>	<a href="#">M85049/27-14W-ND</a>	ENUT SHELL SIZE 14 CADMIUM		<b>21</b> <u>Lead Time</u>	11.90000	\$249.90

ordering.digikey.com/.../AddPart.aspx 1/2

4/5/2010

Digi-Key - Add Part

9	5	<u>285-1779-ND</u>	PWR SUP MEDICAL +5V/-5V 1.5A 15W		0	53.85000	\$269.25
10	5	<u>285-1761-ND</u>	PWR SPLY MEDICAL +12V/- 12V 40W		0	80.00000	\$400.00
11	5	<u>102-1485-ND</u>	PWR SUPPLY W/PFC 200W 24V 8.3A		0	107.68000	\$538.40
<b>Subtotal</b>							<b>\$4,284.23</b>
<b>Shipping</b>							<b>unknown</b>
<b>Estimated Sales Tax</b>							<b>unknown</b>
<b>Total</b>							<b>unknown</b>

**Are you shipping outside the United States?**

Supplier Direct Ship products will incur separate shipping charges (No COD's).

Fields marked as unknown cannot be determined at this time.

Applicable taxes will be added to your order at submit time unless you have a tax exempt certificate on file with us.

All duties and taxes are the responsibility of the customer.

These commodities, technology or software will be exported from the United States in accordance with the Export Administration regulation. Diversion contrary to U.S. law prohibited.

[Finish Order](#)

[Fast Add](#)

[New Order](#)

[Resume Order](#)

**Contact our Internet Ordering Department if you have any questions**

## 9. Temperature Controllers

LakeShore

575 MCCORKLE BLVD WESTERVILLE, OH 43082 (614)891-2244 INFO@LAKESHORE.COM

[Home](#) [Products](#) [Ordering/Pricing](#) [Contact Us](#) [Search](#)

 [VIEW CART](#)

[Home](#) > [Products](#) > [Cryogenic Temperature Instruments](#) > [Cryogenic Temperature Controllers](#) > Model 325

### Model 325 Cryogenic Temperature Controller

[Product Overview](#)

[Tech Specs](#)

[Ordering Information](#)

[Downloads](#)

#### U.S. And Canada Only Shipping

At this time, we cannot ship or bill web orders outside of the United States and Canada. We cannot accept credit cards issued from a bank outside of the U.S. or Canada. If you are outside of the U.S. or Canada and would like export prices or order information, please contact your local sales representative by visiting <http://www.lakeshore.com/com/sr.html>.

**Lead Time:** Lake Shore delivers most products from stock and they are shipped within one week (5 business days). If products are not in stock, the typical lead times are as follows. Large quantity orders can effect lead time. Please call (614-891-2244) or e-mail for the most up to date lead time.

**Sales Tax:** Lake Shore currently collects sales tax in the following states: AZ, CA, FL, IN, OH, SC WA

[Terms & Conditions](#)

[Warranty Statement](#)

[Shipping Charges](#)

Part number	Description (Input configuration cannot be changed in the field.)	Price	Lead Time	Add To Cart
Standard Temperature Controllers, all features included				
325	Two diode/RTD inputs	\$2,329	2 weeks	
325-T1	One diode/RTD, one thermocouple input	\$2,443	2 weeks	
325-T2	Two thermocouple inputs	\$2,546	2 weeks	

#### Power Options:

Select one; the instrument will be configured for selected power and fuses :

VAC-100	Instrument configured for 100 VAC with U.S. power cord	<a href="#">Select</a>
VAC-120	Instrument configured for 120 VAC with U.S. power cord	<a href="#">Select</a>
VAC-120-ALL	Instrument configured for 120 VAC with U.S. power cord and universal Euro line cord and fuses for 220/240 Setting. (extra charge for this option)	<a href="#">Select</a>
VAC-220	Instrument configured for 220 VAC with universal Euro line cord	<a href="#">Select</a>
VAC-240	Instrument configured for 240 VAC with universal Euro line cord	<a href="#">Select</a>

\*Other country line cords available, consult Lake Shore

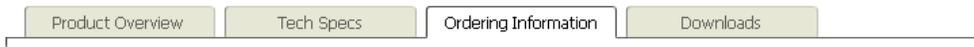
#### Accessories included

106-009	Heater output connector (dual banana jack)
G-106-233	Sensor input mating connector (6-pin DIN plug); 2 included
G-106-735	Terminal block, 2-pin



[Home](#) > [Products](#) > [Temperature Instruments](#) > [Monitors](#) > Model 218

Model 218 Temperature Monitor



**U.S. And Canada Only Shipping**

At this time, we cannot ship or bill web orders outside of the United States and Canada. We cannot accept credit cards issued from a bank outside of the U.S. or Canada. If you are outside of the U.S. or Canada and would like export prices or order information, please contact your local sales representative by visiting <http://www.lakeshore.com/com/sr.html>.

**Lead Time:** Lake Shore delivers most products from stock and they are shipped within one week (5 business days). If products are not in stock, the typical lead times are as follows. Large quantity orders can effect lead time. Please call (614-891-2244) or e-mail for the most up to date lead time.

**Sales Tax:** Lake Shore currently collects sales tax in the following states: AZ, CA, FL, IN, OH, SC WA

<a href="#">Terms &amp; Conditions</a>
<a href="#">Warranty Statement</a>
<a href="#">Shipping Charges</a>

Model No	Description (Input configuration cannot be changed in the field.)	Price	Lead Time	Add To Cart
2185	Temperature Monitor, eight channel with IEEE-488, analog output and relays	\$1,826	4 Week	
218E	Temperature Monitor, eight channel	\$1,419	4 Week	

**Power Options**

Select one; the instrument will be configured for selected power and fuses :

<b>VAC-100</b>	Instrument configured for 100 VAC with U.S. power cord	<a href="#">Select</a>
<b>VAC-120</b>	Instrument configured for 120 VAC with U.S. power cord	<a href="#">Select</a>
<b>VAC-220</b>	Instrument configured for 220 VAC with universal Euro line cord	<a href="#">Select</a>
<b>VAC-240</b>	Instrument configured for 240 VAC with universal Euro line cord	<a href="#">Select</a>
<b>VAC-120-ALL</b>	Instrument configured for 120 VAC with U.S. power cord and universal Euro line cord and fuses for 220/240 Setting. (extra charge for this option)	<a href="#">Select</a>

**Accessories Included**

<b>MAN-218</b>	2185/218E temperature monitor manual
<b>G-106-253</b>	Sensor input mating connector (DB-25) (quantity 2)
<b>G-106-264</b>	Shell for sensor input mating connector (quantity 2)
<b>106-772</b>	Terminal block mating connector, 14 pin connector, 2185 only (quantity 2)

Options