

OPTO 22

Opto 22 Website Tour

Here are some quick ways to do things you want to do on the Opto 22 website—things like these:

- Build your I/O in our online configurator
- Find the specs on products you're interested in
- Ask and answer questions on OptoForums
- Get data sheets or other documents you refer to frequently
- Register software and sign up for training classes

Log in or create a My.Opto account

1. Go to the Opto 22 homepage (www.opto22.com) and click the words *Log into My.Opto22* at the upper right:

The screenshot shows the Opto 22 website homepage. At the top right, there is a link that says "Log in to My.Opto22" with a green arrow pointing to it and the text "Click to log in" above it. Below the navigation bar, there is a "My.Opto22 Login" section. It contains a "Please Log In" heading, a form with "Email Address:" and "Password:" fields, and a "Log in" button. A green callout bubble with the text "Log in" points to the "Log in" button. Below the form, there is a link that says "Or create a new account" with a green callout bubble pointing to it. Below that is a "Register Now" button. To the right of the login section, there are two sidebars: "My.Opto22" with links for "Log In", "My.Opto22 Home", "My OptoProducts", and "My Cart"; and "All Opto22" with links for "Contact Opto 22", "Most Popular", and "Recently Viewed". At the bottom right, there is a "MADE IN THE USA" logo and social media icons for LinkedIn, YouTube, Facebook, Apple, and Twitter.

2. If you already have a My.Opto22 account, enter your email address and password. If you don't have an account, click the Register Now button and create one.

Why create a My.Opto22 account? To post questions and answers on OptoForums, save I/O configurations, register software, easily find products or documents you refer to frequently, sign up for free training, and more. The account is free and only takes a minute to set up. *Trust me, you want to do this.* There's no downside: we don't send you emails or share your personal information with anyone unless you ask us to.

Easy Access Links

Once you've logged in, click the Products tab.

The screenshot shows the Opto 22 website interface. At the top right, it says "Hi, Tom ! You are logged in." and has a search bar. Below this is a navigation bar with tabs: Products (highlighted), Support, Learn, Watch, How to Buy, About Opto, and Community. Underneath are sub-links: SNAP PAC System, IO4AB, Solid State Relays, OptoEMU, PC Based I/O, All Products, Product Updates, and OptoGear. The main content area is titled "Products" and includes a breadcrumb "Opto 22 Home > Products" and a phone number "800-321-OPTO (6786)". There are social media icons for Twitter and Facebook. The main heading is "Opto 22 Products" followed by a description: "Opto 22 manufactures controllers, I/O, solid-state relays, and software products that link electrical, mechanical, and electronic devices to networks and computers." Below this is another paragraph: "Opto 22 products are used for industrial automation, remote monitoring, and data acquisition." and a note: "If you're thinking of upgrading your older Opto 22 mistic and G4 systems, take a look at our Migration page." There are links for "recent product updates" and "receive product updates by email." To the right is a "My.Opto22" sidebar with buttons for "Log Out", "My.Opto22 Home", "My OptoProducts", and "My Cart". Below that is an "All Opto22" sidebar with "Contact Opto 22", "Most Popular", and "Recently Viewed". At the bottom right is a "MADE IN THE USA" badge and social media icons for LinkedIn, YouTube, Facebook, Apple, and Twitter. The main content area features three product highlights: "SNAP PAC System" (Complete automation system—controllers, software, and I/O—for applications of any size), "IO4AB" (Expand your Allen-Bradley Logix system with intelligent, remote SNAP I/O), and "OptoEMU System" (Opto 22 Energy Monitoring System tracks your energy usage to reduce costs). Each highlight includes an image and the Allen-Bradley logo. At the bottom, there are three buttons: "Solid State Relays", "PC-Based I/O", and "All Products".

Notice the orange navigation box on the right-hand side of the page. This box appears on most of our web pages, and it gives you easy access to some useful stuff.

Let's take a closer look.

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Navigation Box

Clicking a link in the orange navigation box is the easy way to reach information you may want.

My.Opto22 Home—Click to register software, register for training, check your online ordering history, or change your profile. See [page 10](#).

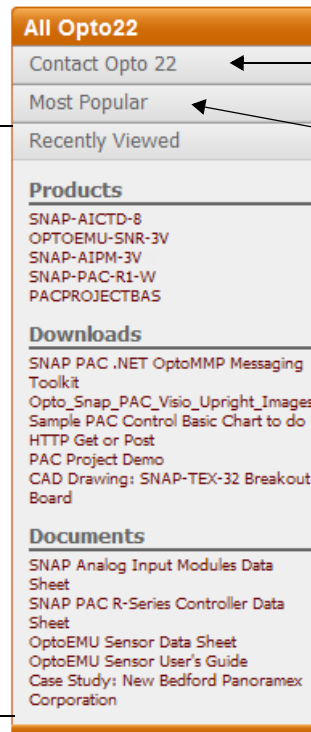
My Cart—Whether or not you buy products online, you can save them in your cart and just click to see their details again.

Recently Viewed—Click to open a list of the products, documents, and downloads you've looked at recently. This is a fast way to find an item you need to refer to again. (Works while you're on the same computer or anytime you're logged into your My.Opto22 account.)



Log Out—Stay logged in if you want to. (Or log out if you've done something secret.)

My OptoProducts—Click to see your stuff: your favorite products, documents, and downloads; subscriptions; I/O units you've configured; or BOMs you've built. See [page 8](#).

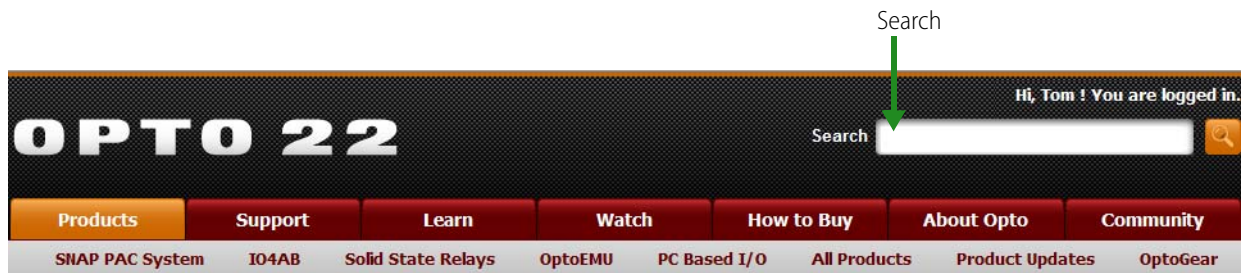


Contact Opto 22—Click to open a list of Opto 22 phone numbers, email, and hours.

Most Popular—Click to open a list of products, docs, and downloads a lot of Opto 22 customers (not just you) look at.

Search

While we're here, let's also see how Search works. Sometimes it's faster to find something you want by searching—for example, if you already know a form number or a part number. The Search field is in the upper-right corner of every page:



Search (continued)

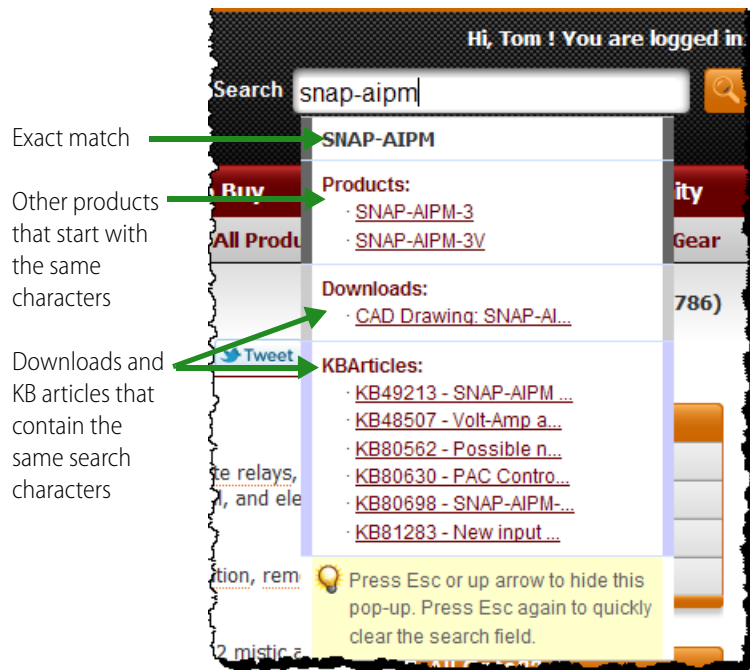
As soon as you start typing in the Search field, possible matches appear in a dropdown list (see image at right).

To choose an item from the dropdown list, click it with your mouse (or use the down-arrow key to highlight the item you want and press Enter).

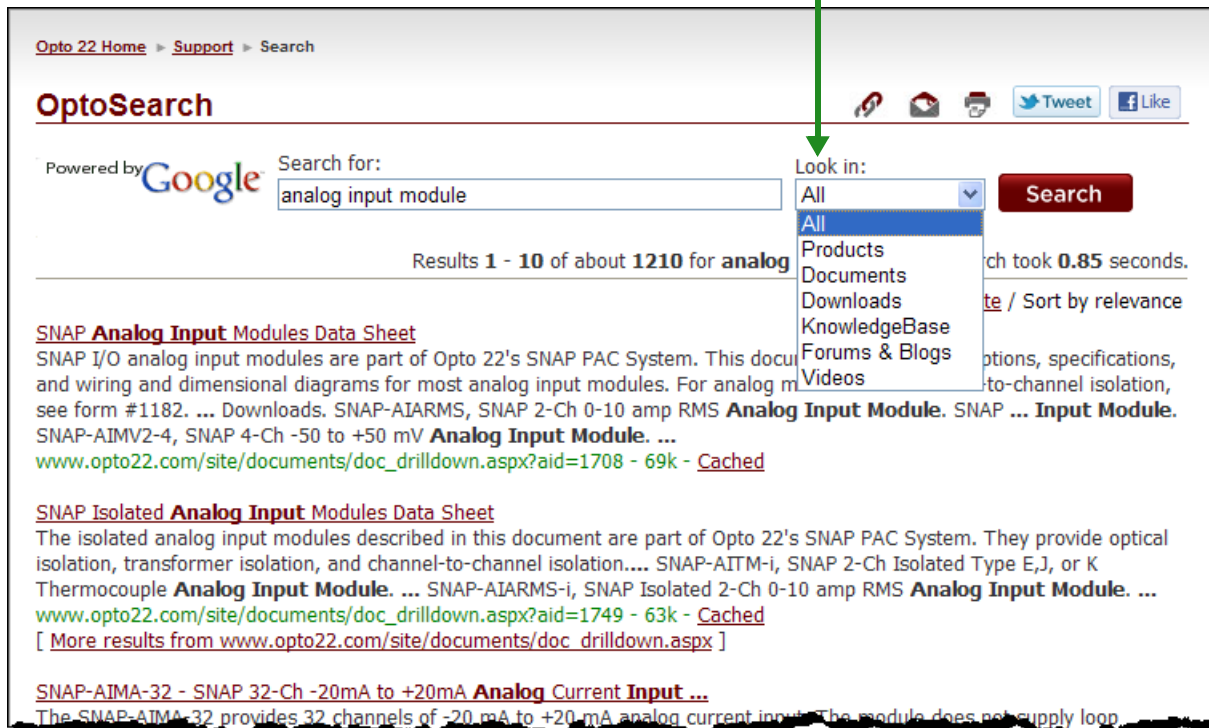
You go directly to that item.

If you don't see what you want in the list, just finish typing in the Search field and press Enter.

Suppose you search on *analog input module*. When your search results appear, you can further refine results by choosing where to look (see below). For example, you could choose to look only in Products.



Refine search results by choosing a category



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Products Section

Back in the Products tab, let's find an item you want. Choose a category based on the products you want to see:

- For controllers, software, and I/O, click SNAP PAC System.
- For I/O to use with an Allen-Bradley PLC system, click IO4AB.
- For energy monitoring, click OptoEMU System.
- For SSRs, click Solid State Relays.
- For I/O to use with a PC-based system, click PC-Based I/O.
- For legacy Opto 22 products—G4, G1, mistic, Optomux, Pamux, SNAP Ultimate I/O, FactoryFloor—click All Products.

Let's suppose you want to see a PAC (programmable automation controller). Click SNAP PAC System.

Here's where you are: **Products > SNAP PAC System**

The screenshot shows the Opto 22 website interface. At the top, there is a navigation bar with the Opto 22 logo and a search bar. Below the navigation bar, there are several tabs: Products, Support, Learn, Watch, How to Buy, About Opto, and Community. The 'Products' tab is selected, and a sub-menu is visible with 'SNAP PAC System' highlighted. The main content area features a header for 'SNAP PAC System' with a description, a 'Need help?' section, and a 'Find out more:' section with links to videos, articles, and a demo. A central diagram illustrates the system architecture. To the right, there are two sidebars: 'My.Opto22' with links for Log Out, My.Opto22 Home, My OptoProducts, and My Cart; and 'All Opto22' with links for Contact Opto 22, Most Popular, and Recently Viewed. At the bottom, there are four product category tiles: Software (Control, HMI, OPC, database connectivity), Controllers (Rack-mounted or standalone PACs), Brains and I/O (I/O, processors, racks, power supplies), and Accessories (Ethernet switches, tools, boards, cables, fuses). The 'Controllers' tile is highlighted with a green border and an arrow pointing to it from the text below.

The SNAP PAC System includes software, controllers, brains and I/O, and accessories. You want to see **Controllers**, so click that.

Product Selector

After you click Controllers, you're in the Product Selector (gray box with buttons). From here you can choose On-the-rack or Standalone controllers, and then drill down farther to see details on individual products.

Product Selector - SNAP PAC System

Opto 22 Home » Products » SNAP PAC System » Product Selector » Controllers » PAC Project 800-321-OPTO (6786)

Controllers I/O Software Accessories

PAC Project

On-the-rack Standalone

Click in the Product Selector or on the product to drill down.

On-the-rack 7 products in this group Standalone 5 products in this group

My.Opto22
Log Out
My.Opto22 Home
My OptoProducts
My Cart

All Opto22
Contact Opto 22
Most Popular
Recently Viewed

MADE IN THE USA

Opto 22 Home » Products » SNAP PAC System » Product Selector » Controllers » PAC Project » On-the-rack 800-321-OPTO (6786)

Product Selector - SNAP PAC System

Controllers I/O Software Accessories

PAC Project

On-the-rack Standalone

All Ethernet (multiple protocols) Educational Tools Wireless 802.11

Part Number: SNAP-PAC-R1
SNAP PAC R-series Programmable Automation Controller - On-the-rack - Analog, full digital, serial
\$995.00 USD
Availability: In stock

Part Number: SNAP-PAC-R1-FM
SNAP PAC R-series Programmable Automation Controller - On-the-rack - Analog, full digital, serial; Factory Mutual approved.
\$1,145.00 USD
Availability: In stock

Part Number: SNAP-PAC-R1-W
Wired+Wireless SNAP PAC R-series Programmable Automation Controller, on-the-rack, analog, full digital, serial
\$1,395.00 USD
Availability: In stock

Part Number: SNAP-PAC-R2
SNAP PAC R-series Programmable Automation Controller - On-the-rack - Analog, simple digital, serial
\$865.00 USD
Availability: In stock

Click the product you're interested in.

My.Opto22
Log Out
My.Opto22 Home
My OptoProducts
My Cart

All Opto22
Contact Opto 22
Most Popular
Recently Viewed

MADE IN THE USA

NOTE: Within the Product Selector, you can click other buttons to see other categories. Suppose you decide you don't want to see controllers right now, that you'd rather see I/O. Just click the gray I/O button in the Product Selector box, and then choose from the new boxes that appear below the I/O button.

OPTO 22

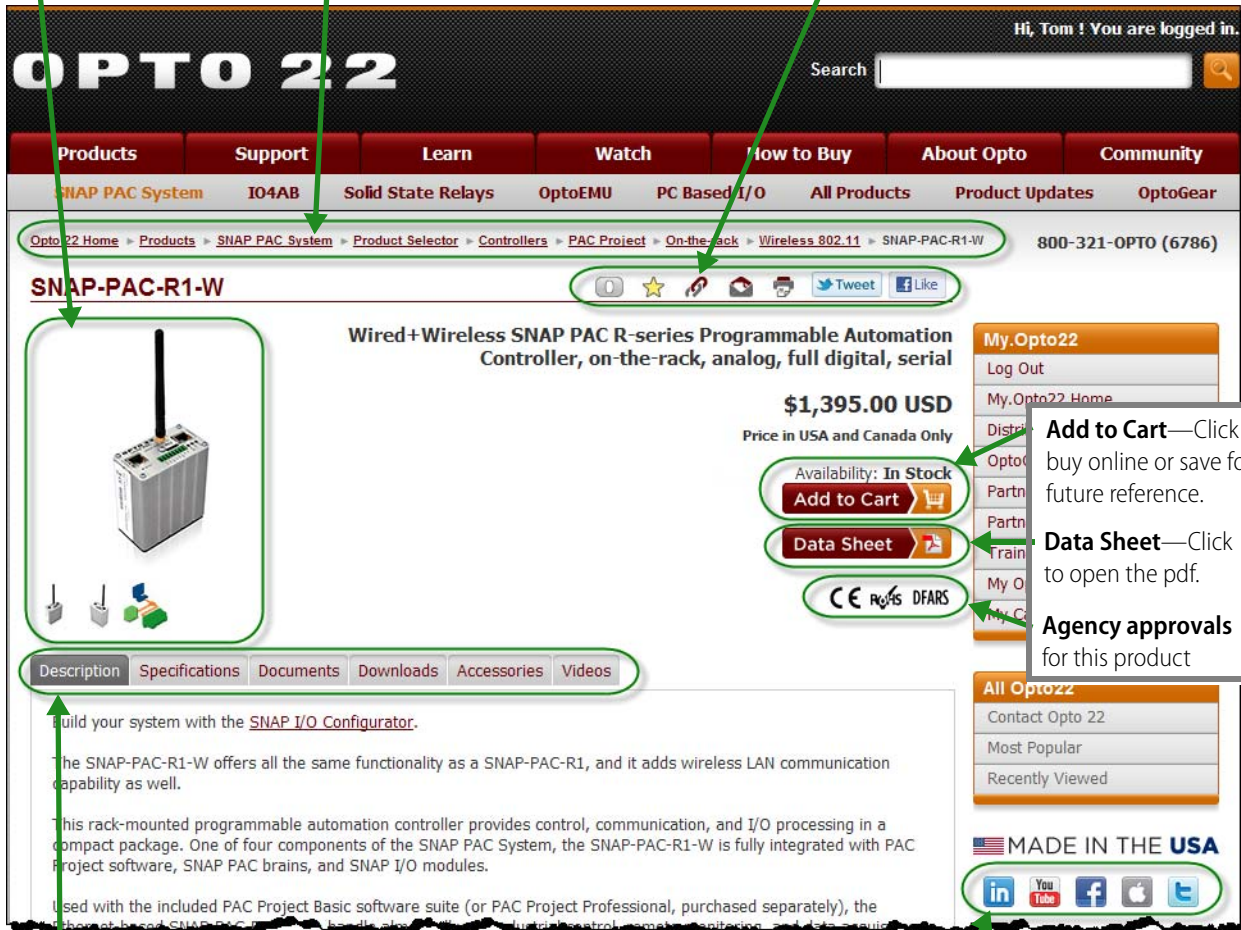
Individual Product Page

Once you reach the individual product's page (in this case, the page for the SNAP-PAC-R1-W), there's a lot to see and do.

Product photos—
Click to enlarge.

Breadcrumbs (the path to this page)—Click
a link to go back and see other products.

Action icons—Things you can do
with this item. See below.



Tabs—Click a tab to see more details about the SNAP-PAC-R1-W
or to see docs, downloads, accessories, and videos related to it.

Social media—Click to see OptoVideos
on [YouTube](#) or [iTunes](#) or to join us on
[LinkedIn](#), [Facebook](#), or [Twitter](#).

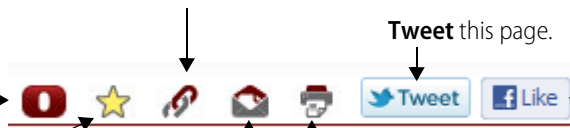
Action Icons

Subscribe to email updates on this item
(product, document, or download).
Maroon O = subscribed
Gray O = not subscribed

Pick this item as a **favorite** so you can return to it easily.
Gold star = favorite; White star = not yet a favorite

Click to copy the **link** for this page. (Hint: Use
this link, not the URL, to get back here.)

Tweet this page.



"Like" this product
on Facebook.

Print this page.

Email this page.

My OptoProducts

When you click a star to make a product, document, or download a favorite, where does it go? You'll find the answer in My OptoProducts.

In the orange navigation box at the right side of the page, click My OptoProducts.

From here you can **click the tabs** to see a lot of interesting things. Make sure you're logged into your My.Opto22 account to see these:

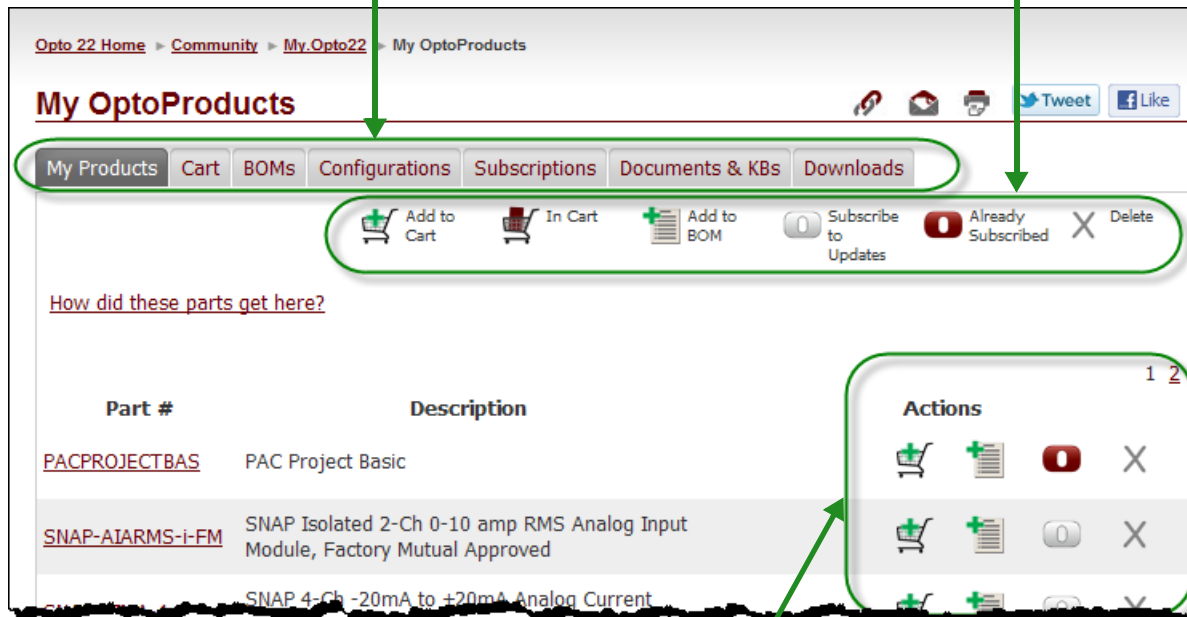
- Your favorite Products, Documents & KB articles, and Downloads
- Your Cart (this tab is just another way to access your Cart)
- BOMs (bills of material) you've created from Opto parts
- I/O Units you've built in the SNAP I/O Configurator
- Your current Subscriptions (email notices about specific products, etc.)

Notice that you can use the icons within each tab to change, add, or delete items. Take a few minutes to explore My OptoProducts and see which tabs you find useful.



Click a tab to see your favorites, your BOMs, etc.

Icon definitions



Icons show the **actions** you can take with the items in this list. Actions vary based on the tab you're in.

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About Subscriptions

You can subscribe to receive any or all of the following:

- **OptoNews**—Email newsletter you receive once every two weeks; product news, technical tips, new videos, etc.
- **OptoKnowledgeBase** articles—Email notices for all new KB articles (issues and workarounds on all products)
- **Alerts**—Email notices of changes to products, documents, or downloads. You choose only the ones you want.

Click the Subscriptions tab and take a look. To change your subscriptions, just click to check or uncheck the boxes.

Note that all alerts are combined into one email and delivered no more than once a day.

Opto 22 Home > Community > My Opto22 > My OptoProducts

My OptoProducts

My Products | Cart | BOMs | Configurations | **Subscriptions** | Documents & KBs | Downloads

You currently receive the items checked below. You can change your subscriptions on this page at any time. NOTE: All alerts are combined into one email, delivered no more than once a day. Check box to subscribe. Remove check to unsubscribe.

- OptoNews**
Email newsletter sent every two weeks. Product and training news, technical tips, and more.
[See sample newsletters.](#)
- OptoKnowledgeBase articles (all)**
Email alerts about new or changed [OptoKnowledgeBase](#) articles. This subscription sends you alerts for *all* OptoKB articles. To get alerts for specific products only, use Individual Product Alerts, below.

View your subscriptions via RSS

Download and Document Alerts by Category

This subscription sends you alerts for all downloads or documents in the categories checked. To get alerts for specific products only, use Individual Product Alerts, below.

Downloads	Documents
<input type="checkbox"/> Subscribe to All	<input type="checkbox"/> Subscribe to All
<input checked="" type="checkbox"/> Firmware	<input checked="" type="checkbox"/> Product Data Sheets & Overviews
<input type="checkbox"/> Application Software	<input type="checkbox"/> Manuals
<input type="checkbox"/> Configuration Software	<input type="checkbox"/> Release Notes
<input type="checkbox"/> Drawings	<input type="checkbox"/> White Papers
<input checked="" type="checkbox"/> Samples & Freeware	<input type="checkbox"/> Case Studies
<input type="checkbox"/> OPC Servers	<input type="checkbox"/> Pressroom
<input type="checkbox"/> SDKs & Driver Toolkits	<input type="checkbox"/> Marketing Materials
<input type="checkbox"/> SNMP Tools	<input type="checkbox"/> Training Materials
<input type="checkbox"/> Diagnostics & Utilities	<input type="checkbox"/> Other Technical Documents
<input type="checkbox"/> Tutorials	
<input type="checkbox"/> Legacy	

Individual Product Alerts

This subscription sends you email alerts about new or changed documents, downloads, and OptoKB articles for specific products. To subscribe, go to the [product page](#), drill down to the specific product, and click the big gray O in the Share and Subscribe area at top. (An example of the big gray O is shown at right.)

- SNAP-PAC-R1
- SNAP-PAC-S1
- SNAP-OAC5
- PACMANAGER
- PACPROJECTBAS

Be sure to subscribe to OptoNews.

To receive **all** OptoKB articles, check this box.

Choose only the alerts you want. This person receives email alerts whenever the following are updated, no matter what product they're related to:

- Firmware
- Samples & Freeware
- Data sheets

This person gets email alerts if documents, downloads, or KB articles are changed for these specific products. Subscribe on the individual product's page: use the O icon. (See "Action Icons" on page 7.)

My.Opto22 Home

My.Opto22 Home gives you another set of tools. You'll also need to be logged into your My.Opto22 account to use these. You can:

- Follow quick links to tabs in My OptoProducts
- Change your Profile on My.Opto22
- See your online Order History
- Register Opto 22 software and see registration numbers
- Register for Training classes



Click a tab to change your profile, check your order history (online orders only), register software, or register for training.

[Opto 22 Home](#) > [Community](#) > [My.Opto22](#)

Welcome to My.Opto22

Welcome Tom

My.Opto22 Home Profile Order History Software Registration Training Registration Message Center

Quick Links
[My Cart](#)

My OptoProducts

- [My Favorite Products](#)
- [My Favorite Documents](#)
- [My Favorite Downloads](#)
- [BOMs I've Created](#)
- [I/O Units I've Configured](#)
- [My Subscriptions](#)

[Interested in becoming an OptoPartner?](#)

What's New on the Opto 22 Website
Changes within the last 30 days are listed below. To view earlier changes, see [Product Updates](#)

SNAP TEX Mounting/Wiring Tools and Spare Parts Data Sheet

Updated Document

Details: Fixed error in compatible end cap for SNAP TEX mechanical relay breakout boards

SNAP TEX wiring and mounting accessories are covered in two data sheets. This document includes DIN-rail mounting kits, spare parts, and tools. For cables and breakout boards, see [form #1756](#).

Nov 15, 2011 T16:42:13

[Product Manual - Gls Compatibility Chart](#)

Click one of these links to quickly go to your My OptoProducts tabs.

Recent changes to products, documents, and downloads on the Opto 22 website.

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Support Section

From any page on the website, click the Support tab, which is right next to the Products tab. Product support from our experienced engineers in California is available *for free* Monday through Friday, 7:00 a.m. to 5:00 p.m. Pacific Time.

But anytime you need technical support on Opto 22 products, this is the place to come.

Searchable **OptoKnowledgeBase** has a lot of answers.

Download software, firmware, and free integration kits at any time.

Clearly written **documents**—user’s guides, tech notes, etc.—are always available. See next page.

The screenshot shows the Opto 22 website's Support section. At the top, there's a navigation bar with tabs for Products, Support, Learn, Watch, How to Buy, About Opto, and Community. Below this is a secondary navigation bar with links for OptoKnowledgeBase, Downloads, Documents, OptoPartners, Training, Agency Approvals, and Warranties. The main content area features a 'Support' header with a group photo of the support team. Below the photo is a 'Product Support' section with contact information: 'Product support is FREE!', 'Phone: 951-675-3080', 'Toll-free (in the U.S.): 800-835-6786', and 'Email: support@opto22.com'. To the right of the main content are two sidebars: 'My.Opto22' with links for Log Out, My.Opto22 Home, My OptoProducts, and My Cart; and 'All Opto22' with links for Contact Opto 22, Most Popular, and Recently Viewed. Below the main content are several service tiles: 'Opto 22 KnowledgeBase' (with a search icon), 'Downloads' (with a download icon), 'Questions before you buy?' (with a telephone icon), 'FREE Training' (with a training icon), 'International Support' (with a globe icon), 'Troubleshooting' (with a wrench icon), 'Blogs and Forums' (with a speech bubble icon), 'Product Warranties' (with a warranty icon), 'Agency Approvals' (with certification logos), and 'Sample Code' (with a scissors icon). A callout box on the right side of the screenshot contains text and arrows pointing to the 'Troubleshooting', 'OptoPartners', and 'Sample Code' tiles.

Post questions in the **OptoForums** for help from other Opto customers.

Outside the U.S. and Canada? Find your local distributor here for support and training.

Finding Documents and Downloads

From the Support tab, you find Documents and Downloads by clicking the link. The **most recently changed items are listed first**. If you know part of the name, you can type it in the Search field. You can also filter your search by the type of document or download, or click a column heading (like Title or Form) to resort based on that column.

Enter text and click the **Search** button.

Filter by type

Click a **column heading** to sort

Opto 22 Home > Support > Documents

Documents - Industrial Control Products

Search Documents:

Filter by:

- All Documents
- All Documents
- Product Data Sheets & Overviews
- Manuals**
- Release Notes
- White Papers
- Case Studies
- Pressroom
- Marketing Materials
- Training Materials
- Other Technical Documents

Title	Date
SNAP TEX Mounting/Wiring Tools and Spare Parts Data Sheet	11/15/2011
Details ▼	
DIN-Rail Mounting Clip Compatibility Chart	11/15/2011
Details ▼	
Solid-State Relays (SSRs) Data Sheet	11/11/2011

Product Data Sheets 0859

If you're **not sure** what's included in the filter categories, click [What are these?](#)

Opto 22 Home > Support > Downloads

Downloads - Industrial Control and Automation

All Opto 22 industrial control and automation software and firmware can be downloaded at any time. While most software is free, some software must be purchased and will require an [OptoPassword](#) to install.

Search Downloads:

Filter by:

- All Downloads
- All Downloads
- Firmware**
- Application Software
- Configuration Software
- Drawings
- Samples & Freeware
- OPC Servers
- SDKs & Driver Toolkits
- SNMP Tools
- Diagnostics & Utilities
- Tutorials
- Legacy

Description/File Name	Version	Date
PAC upright images for Visio 2003		
Snap PAC Visio Upright Images	3.0	11/04/2011
Is ▼		
PAC front view images for Visio 2003		
SNAP PAC Visio Front Images	3	11/04/2011
Is ▼		

OPTO 22

Learn Section

The Learn section pulls together resources for learning about automation and about Opto 22 products:

- Articles that explain things, like *What is a PAC?* or *Adding Process Control to a PLC-based System*
- Animated demos to explore, like *Sinking vs. Sourcing* and *Introduction to Wireless PACS and I/O* (see [page 18](#))
- Customer case studies and white papers (see [page 14](#) and [page 16](#))
- Charts that compare Opto 22 products and show which products work together (see [page 17](#))
- Glossary of automation terms

The screenshot shows the Opto 22 website's 'Learn' section. At the top, there's a navigation bar with 'Products', 'Support', 'Learn' (highlighted), 'Watch', 'How to Buy', 'About Opto', and 'Community'. Below this is a sub-navigation bar with 'About PACs', 'About IO4AB', 'Animated Demos', 'White Papers', 'Case Studies', 'Comparisons', 'Glossary', and 'Training'. The main content area features a 'Learn About What We Do' section with a photo of a worker and text explaining the company's mission. Below this are several categorized tiles: 'Learn About PACs', 'Learn About IO4AB', 'Animated Demos', 'Comparisons', 'White Papers', 'Case Studies', 'Glossary of Terms', and 'OptoCommunity'. On the right side, there are 'My.Opto22' and 'All Opto22' utility boxes, social media links, and a 'MADE IN THE USA' badge. Annotations with green arrows point to a 'Self-training guide' box and a 'Topic Pages' box, both containing descriptive text about the resources.

Hi, Tom ! You are logged in.

Search

Products Support **Learn** Watch How to Buy About Opto Community

About PACs About IO4AB Animated Demos White Papers Case Studies Comparisons Glossary Training

Opto 22 Home > Learn 800-321-OPTO (6786)

Learn

[Tweet](#) [Like](#)

Learn About What We Do

At Opto 22, we make hardware and software to connect all kinds of machines, devices, and sensors to your computer network, so you can monitor and control them and get data from them.

[Learn more about Opto 22](#)

Learn about [Opto 22 systems in five easy steps](#).

Find a topic to explore in the [Topic Page Index](#).

My.Opto22

- Log Out
- My.Opto22 Home
- My OptoProducts
- My Cart

All Opto22

- Contact Opto 22
- Most Popular
- Recently Viewed

MADE IN THE USA

[in](#) [You Tube](#) [f](#) [Apple](#) [t](#)

Self-training guide

Learn About PACs

[What is a PAC?](#)
[Choosing a PAC](#)
[PAC Software](#)

Learn About IO4AB

Intelligent remote SNAP I/O expands your Allen-Bradley PLC system.

AB
QUALITY

Animated Demos

Click and explore these interactive demos.

[Choose your I/O—configure an I/O unit.](#)

Comparisons

Which products work together? Compare product features and compatibility.

White Papers

Read about industry trends.

Case Studies

Read about customers' control systems.

Topic Pages talk about specific topics, like energy monitoring, migration from older systems, system integration, controller redundancy...

Glossary of Terms

Terms used on the Opto 22 website and in the industry.

OptoCommunity

Here you can find an OptoPartner, read our blog to find out the latest Opto 22 news, or join us on social media like Twitter and Facebook.

FREE Training

Hands-on SNAP PAC System training in sunny California. Check it out!!

Or try our new [Self-Training Guide](#).

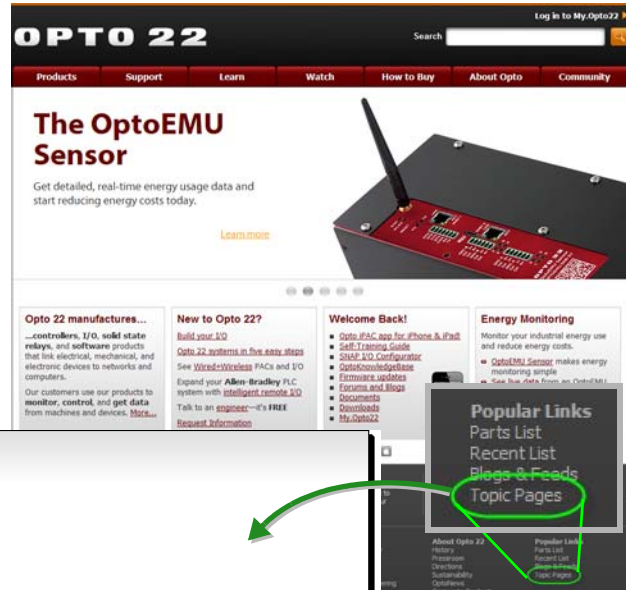
Free hands-on training at Opto 22 headquarters—what's included, class schedule, and how to sign up

Topic Pages

Topic pages pull together resources about a specific subject: energy monitoring, intelligent remote I/O for Allen-Bradley systems, migrating from legacy Opto 22 systems, Wired+Wireless PACs, and much more.

The easiest way to find them is to click the Topic Pages link in the dark gray area at the bottom of any page. (Look in the bottom-right corner.)















When the index page opens, scroll down to see all the topic pages. Click the one you want.



Opto 22 Home » About Opto » Topic Pages

Topic Pages Index

Find the information you need on a topic in industrial control and automation, all in one page.

SNAP PAC SYSTEM	ENERGY
 <p>Opto iPAC App The digital age for automation has arrived! Now you can monitor and control your Opto 22 system from your iPhone, iPod Touch, or iPad.</p>	 <p>Managing Industrial Energy Use Data from real-time power monitoring gives you the information you need to save energy—and money.</p>
 <p>Self-Training Guide In five easy steps, learn about the SNAP PAC System. Then build your own system for control, monitoring, and data acquisition.</p>	 <p>Three-Phase Power Monitoring Monitor 3-phase electrical power for an HVAC system, compressor, or subpanel. SNAP-AIPM-3 goes on the rack with other I/O modules to measure industrial energy use.</p>
 <p>The SNAP PAC System See the four components that make up the easy-to-use SNAP PAC System. Scalable and reliable, with free support and training.</p>	 <p>OptoEMU: Energy Monitoring Made Simple Manage your industrial energy use now. Easy-to-use OptoEMU Sensor gives you the data you need to make energy decisions.</p>
 <p>Guide to PACs What's a PAC? Read about PACs and watch videos of PACs in action in industrial control and automation applications.</p>	 <p>OptoEMU Sensor - Live Data See live data from an OptoEMU Sensor at Opto 22 headquarters. Then get your own OptoEMU and start reducing energy costs.</p>
 <p>SNAP Ethernet-based I/O Interested in Ethernet for automation? Use SNAP Ethernet-based I/O with an Opto 22 system, with Allen-Bradley industrial PLCs, or for PC-based I/O.</p>	 <p>Power and Energy Monitoring Read the white paper, <i>Automation and the Smart Grid</i>, and see new power monitoring products.</p>
 <p>System Integration—without Fees Modbus, Allen-Bradley, OPC, wireless, Ethernet and serial protocols, databases, legacy Opto 22 systems, and more—integrate them all with your SNAP PAC System.</p>	 <p>Energy Case Studies Mariah's utility costs threatened the plant's existence. Thomson/RCA needed detailed energy costs for billing lessees. Read these customer case studies.</p>
 <p>Wired+Wireless™ PACs and I/O This Engineer's Choice gives you more choices than you expect. Use wired Ethernet and wireless 802.11a,b,g networking with no change to I/O or field wiring.</p>	 <p>Refrigeration Energy Management Can your refrigeration system become a money machine? Find out how you can manage energy to save money and earn revenue.</p>

IO4AB

OPTO 22

Case Studies

Sometimes you get ideas by reading about other applications similar to yours. Case studies in the Learn tab show how a variety of Opto 22 customers have approached their automation problems. These written case studies are all in pdf form. You can also see video case studies in the Watch tab (see [page 22](#)).

The screenshot shows the Opto 22 website's Case Studies page. The main navigation bar includes Products, Support, Learn, Watch, How to Buy, About Opto, and Community. Below this is a secondary navigation bar with links like About PACs, About IO4AB, Animated Demos, White Papers, Case Studies, Comparisons, Glossary, and Training. The page content includes a search bar, a list of case studies with columns for Form, Title, and Date, and an Advanced Search overlay. The overlay contains filters for Application Type, Customer Type, and Industry, each with a list of checkboxes and a Search button.

Case Studies

Read about customers worldwide who use Opto 22 products to meet their industrial control and automation needs.

- Promote your business in an Opto 22 case study—[find out more](#).

Text Search: *(does not combine with Advanced Search)*

Advanced Search

Search

Form	Title	Date
	Case Study: Natural Gas Fueling Stations Communications	1978
	Case Study: SUPERVALU Energy Management	1965
	Case Study: Metrology Calibration Laboratory	1957

Advanced Search

Application Type:

- Industrial Automation Projects
- Remote Monitoring
- Enterprise Data Acquisition
- Machine 2 Machine

Customer Type:

- OEM/System Integrator
- Automation End User
- Information Technology or Operations

Industry:

- All Industries - -
- Academics/Research
- Aerospace
- Agriculture
- Automotive
- Aviation
- Buildings & Facilities
- Cement
- Chemical
- Consumer Products
- Electronics Manufacturing
- Energy Management
- Energy/Power Distribution
- Energy/Power Generation
- Entertainment
- Fibers & Textiles
- Food & Beverage
- Glass
- Government/Defense/Homeland Security
- Green/Sustainability
- HVAC
- Instrumentation
- Machine Tools
- Machine-to-machine (M2M)
- Marine
- Material Handling
- Medical
- Metals
- Oil & Gas Refining/Storage/Distribution
- Other Discrete Manufacturing Markets
- Other Process Control Markets
- Packaging
- Pharmaceutical/Biotechnology
- Pulp/Paper
- Radio Frequency Identification (RFID)
- Refrigeration & Cooling
- Remote Monitoring
- Retail/Commercial
- Robotics
- Rubber/Plastics
- SCADA
- Security
- Semiconductor
- Telecommunications
- Transportation
- Vendor-Managed Inventory (VMI)
- Water/Wastewater

Search

Case studies are listed in order with the most recent one first.

Click a column heading (Form, Title) to sort by that column instead.

To search, type in the Text Search field and click the Search button

Or click Advanced Search to search by application type, customer type, or industry. You can check as many boxes as you like; then click the Search button.

White Papers

White papers give you insight on industry trends, like wireless or energy monitoring. The white papers in the Learn tab are pdfs, so you can print them and read them on the go.

White papers are listed in order with the most recent one first. Click a column heading (Form, Title) to sort on the column.

The screenshot shows the Opto 22 website interface. At the top, there is a navigation bar with tabs for Products, Support, Learn (selected), Watch, How to Buy, About Opto, and Community. Below this is a secondary navigation bar with links for About PACs, About I04AB, Animated Demos, White Papers (selected), Case Studies, Comparisons, Glossary, and Training. The main content area displays a list of white papers under the heading 'White Papers'. The list has columns for Form, Title, and Date. The most recent paper is 'Automatización y La Red Inteligente (Smart Grid): Gestión de Energía' with form number 19145, dated 8/8/2011. The second paper is 'Automation and the Smart Grid: Energy Management Today' with form number 1914, dated 8/5/2011. A third paper, 'Automation and the Smart Grid: Energy Management Today' with form number 1914P, is partially visible below. A 'My.Opto22' sidebar on the right contains links for Log In, My.Opto22 Home, My OptoProducts, and My Cart. A detailed view of the white paper 'Automation and the Smart Grid: Energy Management Today' (Form 1914) is shown below the list. It includes a 'Download' button, filename '1914Automation_and_the_Smart_Grid_v...', file size '494 KB', and last update '8/5/2011'. The description states: 'This white paper looks at the way electricity is produced today. The paper also discusses specific ways that small and medium-sized businesses can reduce their electrical usage and costs today, without waiting for...'. The main content area of the white paper includes an 'Introduction' section discussing the importance of electrical energy usage, trends in utility companies raising rates, and the impact of carbon footprints. It also features a section titled 'Meet the U.S. Electrical Power Grid' and a callout box stating: 'In 2010, only 10% of electricity in the United States was produced by renewable energy sources.' A sidebar on the right of the white paper view contains the text 'OPTO 22 Automation and the Smart Grid' and 'WHITE PAPER Form 1914.110905'. At the bottom of the white paper view, there is a photograph of power lines and a text block stating: 'overwhelmingly, that source isn't "clean." In the U.S. in 2010, coal produced about 45% of our electricity; natural gas and nuclear power accounted for another 45%. These percentages show only a small change in the last 10 years.'

OPTO 22

Comparison and Compatibility Charts

What's the difference between a SNAP PAC rack-mounted controller and a SNAP PAC brain? Will a SNAP-AIV-8 analog input work with SNAP Ultimate I/O? These kinds of question are easily answered by Comparison Charts in the Learn tab.

Hi, Tom ! You are logged in.

Search

Products Support **Learn** Watch How to Buy About Opto Community

About PACs About IO4AB Animated Demos White Papers Case Studies Comparisons Glossary Training

Opto 22 Home > Learn > Comparisons 800-321-OPTO (6786)

Comparisons

SNAP PAC System - Feature Comparisons

- Compare PAC Project Basic and PAC Project Professional software
- Compare SNAP PAC controllers and brains
- Compare memory usage in SNAP PAC S-series and R-series controllers

My Opto22

- Log Out
- My.Opto22 Home
- My OptoProducts
- My Cart

Opto 22 Home > Support > Documents > Product Data Sheets & Overviews > SNAP PAC Controller and Brain Comparison Chart

Documents - 1677

SNAP PAC Controller and Brain Comparison Chart

Download

Filename: 1677-SNAP_PAC_Controller_Brain_Comparison_Chart.pdf
File Size: 145 KB
Last Update: 7/19/2011

Description:
This document compares features of SNAP PAC

Notes:

Related Products Related Documents Related Documents

SNAP-PAC-EB1 SNAP PAC Ethernet Brain,

Comparison charts give you all the details, so you can determine which product is best for your application and know which products will work together.

OPTO 22 SNAP PAC Controller/Brain Comparison

The following table compares SNAP PAC controllers and brains using version 9.1b firmware and 9.1 PAC Project software.

FEATURE	SNAP PAC Controllers						SNAP PAC Brains						
	Standalone			Rack-mounted			Ethernet		Serial				
	SNAP-PAC-S1	SNAP-PAC-S2	SNAP-PAC-S1W	SNAP-PAC-R1	SNAP-PAC-R2	SNAP-PAC-R2FM	SNAP-PAC-EB1	SNAP-PAC-EB2	SNAP-PAC-EB2FM	SNAP-PAC-EB1W	SNAP-PAC-EB2W	SNAP-PAC-SB1	SNAP-PAC-SB2
Two independent Ethernet network interfaces (two IP addresses) for Ethernet link redundancy or segmenting networks	•	•	•	•	•	•							
Wireless LAN Interface (802.11a, b, or g)			•				•						
Two switched Ethernet network interfaces (one IP address) for multi-drop (daisy-chain) network configuration							•	•	•	•			
Works with PAC Project software	•	•	•	•	•	•							
Runs PAC Control strategies	•	•	•	•	•	•							
Maximum PAC Control charts running at once (plus host task)	32	32	32	32	16	16	16	16					
Compatible brains [#]													
SNAP PAC ES brains	•	•	•	•	•	•							
SNAP PAC SB brains	•	•	•	•	•	•							
Onboard I/O processor (brain)													
Ethernet (UDP/IP, 10/100 Mbps)	•	•	•	•	•	•							
Wireless LAN (802.11a, b, or g)			•				•						
Serial (RS-485)	•	•	•	•	•	•							
Ethernet (TCP/IP, 10/100 Mbps)	•	•	•	•	•	•							
Wireless LAN (802.11a, b, or g)			•				•						
Controller-to-PC communication	•	•	•	•	•	•							
PPP over dial-up modem, with hardware handshaking	•	•	•	•	•	•							
Brain-to-host (PC or controller) communication							•	•	•	•			
Wireless LAN (802.11a, b, or g)													
Serial (RS-485)													
Total number of RS-232 serial ports	2	4 ¹	2	4 ¹	1	1	1	1	-0-	-0-	-0-	-0-	-0-
Number of RS-232 serial ports usable for PPP (on dial-up modem)	1 ¹	1 ¹	1 ¹	1 ¹	1 ¹	1 ¹	1 ¹	1 ¹	-0-	-0-	-0-	-0-	-0-
Total number of RS-485 serial ports	1	4 ¹	1	4 ¹	-0-	-0-	-0-	-0-	-0-	-0-	-0-	-0-	1
EtherNet/IP™ (Allen-Bradley® RSLogix® systems and others)	•	•	•	•	•	•	•	•	•	•	•	•	•
Modbus®/TCP (slave)	•	•	•	•	•	•	•	•	•	•	•	•	•
OPC driver support	•	•	•	•	•	•	•	•	•	•	•	•	•
OptoMMP memory-mapped protocol	•	•	•	•	•	•	•	•	•	•	•	•	•
SNMP (network management) [#]	•	•	•	•	•	•	•	•	•	•	•	•	•
FTP server file system	•	•	•	•	•	•	•	•	•	•	•	•	•

Animated Demos

The animated demos in the Learn tab are a visual way to learn. NOTE: These demos require Adobe Flash.

Hi, Tom ! You are logged in.

Search

Products **Support** **Learn** **Watch** **How to Buy** **About Opto** **Community**

About PACs About I04AB **Animated Demos** White Papers Case Studies Comparisons Glossary Training

Opto 22 Home > Learn > Animated Demos 800-321-OPTO (6786)

Animated Demos

Ready to explore? Open one of these Flash demos and use your mouse to navigate it. Discover which Opto 22 products are suited to your application and learn more about components and features.

Explore and Learn with Your Mouse

- SNAP PAC I/O Unit Configurator**
Build your I/O with the SNAP I/O Configurator. Save your configurations; then send them for engineering review or a quote.
- Sourcing and Sinking**
Switching a DC circuit? Learn about sinking and sourcing, and the digital output modules to use with each.
- Wired+Wireless**
Curious about wireless? See how Wired+Wireless controllers help solve your automation problems.
- See the differences between PAC Project Basic and PAC Project Professional.**
See the differences between PAC Project Basic and PAC Project Professional. See if the free Basic version is all you need!

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Introduction to Wired+Wireless

Click objects along the bottom to explore.

Wired+Wireless™ PACs and I/O

Like a laptop in a commercial wireless network, Opto 22 Wired+Wireless controllers and I/O communicate wirelessly or on a wired network—or both ways at once.

Functionality remains the same, no matter which communication method you use.

Wireless network found

Like a laptop Flexible frequencies Security I/O Pilot project Wires when you need them

Choose a demo from the page.

When it opens, **click parts of the image** and watch what happens.

OPTO 22

Build Your Own I/O in the SNAP I/O Configurator

You can configure a car online, so why not I/O? Build your I/O unit in the **SNAP I/O Configurator**, one of the Animated Demos in the Learn tab. Choose a processor, put it on the rack. Add analog, digital, and serial I/O modules. Accessorize with a power supply, breakout racks, and cables. Try it—it's fun!

1. Click the **Learn tab** and then click the [configure an I/O unit](#) link.
2. Start at the left to choose your processor:
 - Here we chose an I/O processor with control (1),
 - Clicked SNAP-PAC-R1 (2), and
 - Added it to the rack (3)

The screenshot displays the 'SNAP I/O Configurator' web application. The interface is divided into several sections:

- Top Navigation:** Includes 'Opto 22 Home', 'Learn', 'Animated Demos', and 'SNAP I/O Configurator'. A phone number '800-321-OPTO (6786)' is visible on the right.
- Left Panel (Configure I/O Unit: Unnamed):**
 - I/O Processor:** A 'Choose I/O Processor' section with a search bar and two radio buttons: 'Factory Mutual' and 'High-speed digital counting'. A dropdown menu is open, showing options: 'I/O processor with control' (highlighted with a green circle 1), 'I/O processor', 'Wired+Wireless', 'wired Ethernet', and 'serial'.
 - I/O Modules:** A list of modules with a 'Click on part to examine details' instruction. The first item, 'SNAP-PAC-R1', is highlighted with a green circle 2. Other items include SNAP-PAC-R1-FM, SNAP-PAC-R1-W, SNAP-PAC-R2, SNAP-PAC-R2-FM, and SNAP-PAC-R2-W.
 - Part details:** Shows 'Part number: SNAP-PAC-R1' and an 'Add to I/O Unit' button (highlighted with a green circle 3). Below is a small image of the SNAP PAC R-series controller and a description: 'SNAP PAC R-series Programmable Automation Controller - On-the-rack - Analog, full digital, serial'. A 'Show web page' button is at the bottom.
- Right Panel (SNAP I/O Unit):**
 - Accessories:** Shows 'Accessories: 0' with 'Clear All Parts' and 'Clear Modules' buttons.
 - Processor:** 'Processor: SNAP-PAC-R1'.
 - Total I/O Channels:** A list of 16 channels, all currently set to 0.
 - Mounting rack:** 'Mounting rack: SNAP-PAC-RCK16'.
 - Size:** A dropdown menu with options 4, 8, 12, and 16.
 - Factory Mutual:** A checkbox that is currently unchecked.
 - Serial:** 'Serial: 0'.
 - Analog Input:** 'Analog Input: 0'.
 - Analog Output:** 'Analog Output: 0'.
 - Digital Input:** 'Digital Input: 0'.
 - Digital Output:** 'Digital Output: 0'.

3. Once you have the processor in place, start at the left again to choose your I/O modules (see next page).

SNAP I/O Configurator (continued)

- Here we clicked the I/O Modules tab (1),
- Chose Thermocouple as our input signal (2),
- Chose a module with 8 points (3),
- Chose the SNAP-AITM-8 (4), and
- Added it to the rack (5).

The screenshot shows the SNAP I/O Configurator interface. The main area is divided into several sections:

- Configure I/O Unit: Unnamed**: Shows the current configuration state.
- I/O Processor**: Includes buttons for "Factory Mutual", "Channel Isolation", and "Panel Isolation channels".
- I/O Modules**: A tree view where "I/O Modules" is selected (1). Under "analog input", "thermocouple" is selected (2). The "8" option is highlighted (3).
- Accessories**: A tab for adding additional components.
- Search Results**: A list of modules matching the criteria. "SNAP-AITM-8" is selected (4).
- Part details**: Shows information for "SNAP-AITM-8", including "Part number: SNAP-AITM-8", "Channels: 8", and a "Description". A "Show web page" button is visible (5).
- SNAP I/O Unit**: A rack view showing the selected module being added to the rack.
- Accessories: 0**: A summary of the current configuration.

NOTES:

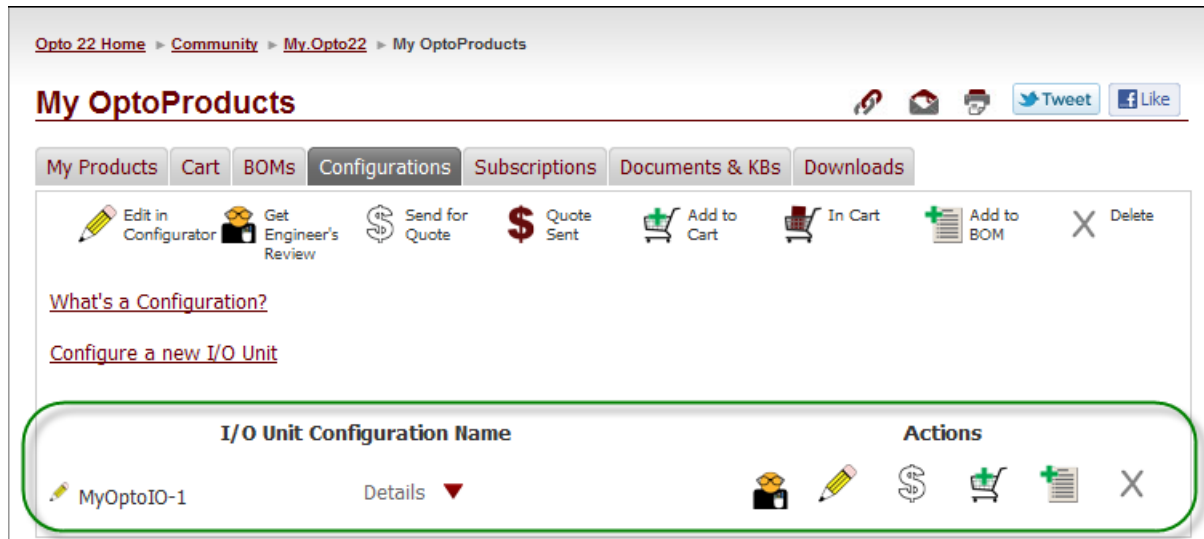
- You can **start anywhere in the tree**—choose an I/O type, signal, range, or number of points. Your next possible choices light up in pale orange, and all the modules that match appear in a list in the upper center box. If you don't like the choices, click the Clear Search button and start again in the tree.
- When you've chosen a module in the upper center box, data about it appears in the lower center box. If you want to know more, click the **Show web page** button at the bottom; you'll go to the product page on our website.
- If you don't need 16 modules on this I/O unit, you can **change rack size** by clicking a Size button (4, 8, 12).
- When you've got the processor and modules you want, click the **Accessories** tab to add power supplies, breakout boards, and cables.

OPTO 22

SNAP I/O Configurator (continued)

When you've finished configuring your I/O unit, click the **Save Configuration** button at the top.

When prompted, enter a name for the I/O unit and click Create New. Now look where you are—My OptoProducts!



You're in the **Configurations tab of My OptoProducts**, like we talked about on [page 8](#). You can do several things here:

- Go back to the Configurator by clicking the Configure a new I/O Unit link.
- See the parts in the I/O unit you just saved by clicking the Details arrow.
- Use one of the Actions icons to:

- Send this I/O unit to an Opto 22 application engineer for a *free* review
- Edit this I/O unit (reopens the Configurator with this I/O unit in it, so you can add to or change it)
- Send this I/O unit to an Opto 22 distributor for a quote. Once you've sent it, the dollar sign turns maroon.
- Put the parts in this I/O unit in your Cart. When they're in your cart, the cart icon has a maroon box inside.
- Add the parts in this I/O unit to a bill of materials (BOM)—a new one or a BOM you've already created
- Delete this I/O unit from your Configurations tab

And remember, you can always call us (for free) if you have any questions on products or using the Configurator:

800-321-6786

Watch Section

The Watch section is devoted to OptoVideos. They're a great way to learn.

- SNAP PAC System videos introduce all the parts of our main automation system.
- IO4AB videos introduce SNAP I/O for Allen-Bradley PLC systems.
- Case study videos show you how other engineers are solving their automation problems.
- OptoMinute videos answer a specific question or introduce a product in just about 60 seconds.
- Software tutorials go into detail on using PAC Control, PAC Display, and IO4AB.
- Some videos are available in Spanish, Chinese, and additional languages.

Click the Watch tab and explore the links and videos.

To learn more about the engineers who present the videos, click Meet Your Hosts.

OPTO 22 Hi, Tom! You are logged in. Search

Products Support Learn **Watch** How to Buy About Opto Community

SNAP PAC System IO4AB Case Studies Software Tutorials OptoMinutes Other Languages **Meet Your Hosts**

Opto 22 Home > Watch 800-321-OPTO (6786)

Watch

Featured Video:
Opto iPAC App for iPhone, iPad, iPod Touch

In this quick video Ben shows how you can see and control I/O and system variables from your iPhone. Great for commissioning, debugging, responding to alarms, and more.

[Watch the video now](#)

[Meet your video hosts](#) ▶
[See list of all videos](#) ▶

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SNAP PAC System Videos
From programming PID loops to choosing the right controller, watch videos about the SNAP PAC System.

IO4AB Videos
Intelligent remote SNAP I/O expands your Allen-Bradley PLC system. See how to set it up.

Case Study Videos
Customers show you how they use Opto 22 products.

Software Tutorial Videos
See how to develop a control program, create an HMI, and much more.

OptoMinute Videos
Only have a minute to learn? Watch these 60-second videos.

Videos in Other Languages
Spanish
Chinese
Russian
Japanese
Arabic

OPTO 22

How to Buy Section

You can buy Opto 22 products right from our website (if you're located in the U.S. or Canada), but there are several other ways to buy or get help with your automation project. Find out more by clicking the How to Buy tab.

Hi, Tom ! You are logged in.

Search

Products **Support** **Learn** **Watch** **How to Buy** **About Opto** **Community**

Regional Distributors **National Distributors** **Shop Online** **Buy by Phone** **International**

Opto 22 Home » How to Buy 800-321-OPTO (6786)

How to Buy

You can buy Opto 22 products in several ways.

Purchase through an Opto 22 Distributor. In the U.S. and Canada, [Regional Distributors](#) offer products, system design, and technical support. [National Distributors](#) provide off-the-shelf sales.

Outside the U.S. and Canada, [International Distributors](#) offer products, design, and technical support. Please note that due to transportation and fees, website prices apply only to the U.S.

Shop online. [Pick the products](#) you want and buy them from your cart, or send the cart's contents to a distributor.

Buy by phone. Just call us at 800-321-6786. We're happy to help.

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Find a Regional Distributor
Get Opto 22 products plus value-added services such as technical support and systems design.

Find a National Distributor
Get Opto 22 products off-the-shelf in locations all over the U.S. and Canada and through catalog sales.

Shop Online
Add products to your cart; then send the cart to a distributor or purchase them through our website.

Buy by Phone
Call to purchase products directly from Opto 22. Find out pricing and availability. Get product literature.

International Sales
Find distributors, training, and corporate contacts for sales outside the U.S. and Canada.

Questions before you buy?
Talk to a pre-sales engineer. It's FREE.

Find OptoPartners
Get help with your application.

MADE IN THE USA

in YouTube f a t

You can always call an Opto 22 engineer and ask questions. It's free.

Regional distributors are right in your area; they offer help as well as products. See [page 24](#).

National distributors provide off-the-shelf and catalog sales.

Click here if you're outside the U.S. or Canada. **International distributors** provide products, technical support, and training.

If you need help with integration, software, installation, or migration, an **OptoPartner** is the answer.

Search for Distributors

Here's an example of how to search for Regional Distributors. Searching for International Distributors and OptoPartners is similar.

The screenshot shows the Opto 22 website interface. At the top, there is a navigation bar with 'Products', 'Support', 'Learn', 'Watch', 'How to Buy', 'About Opto', and 'Community'. Below this is a secondary navigation bar with 'Regional Distributors', 'National Distributors', 'Shop Online', 'Buy by Phone', and 'International'. The main content area is titled 'How to Buy' and includes a search bar, social media links, and a list of 'My.Opto22' options (Log In, My.Opto22 Home, My OptoProducts, My Cart) and 'All Opto22' options (Contact Opto 22, Most Popular). A callout box highlights the 'Find a Regional Distributor' section, which provides instructions on how to use the dropdown menu to select a state or province. The dropdown menu is open, showing a list of states and provinces, with 'Arkansas' selected. To the right of the dropdown, there is a list of regional distributors, including Adcon Engineering Co., Allesco, Applied Motion Products, and Carlton Bates Company, each with their address, phone, fax, website, and email information.

Find a Regional Distributor
Get Opto 22 products plus value-added services such as technical support and systems design.

Buy by Phone
Call to purchase products directly from Opto 22. Find out pricing and availability. Get product literature.

Regional Distributors - Industrial Control Products

Regional Distributors are Automation Engineering Distributors in the U.S. and Canada. They not only sell Opto 22 industrial control products in your local area, but also provide value-added services such as technical support and system design.

Choose your state or province from the dropdown list to find your regional distributor.

U.S. and Canada:
Select a State or Province

- Alabama
- Alaska
- Alberta
- Arizona
- Arkansas
- British Columbia
- California
- Colorado
- Connecticut
- Delaware
- District of Columbia
- Florida
- Georgia
- Hawaii
- Idaho
- Illinois
- Indiana
- Iowa
- Kansas
- Kentucky
- Louisiana
- Maine
- Manitoba
- Maryland
- Massachusetts
- Michigan
- Minnesota
- Mississippi
- Missouri

Adcon Engineering Co.
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Fax: 440-238-3163
www.adconengineering.com
sales@adconengineering.com

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14375 Sommermeyer Road
Houston, Texas 77041
USA
Phone: 713-462-6200
Fax: 713-462-6249
www.allesco.com
sales@allesco.com

Applied Motion Products
7840 Computer Ave So.
Bloomington, Minnesota 55435
USA
Phone: 952-854-1410
Fax: 952-854-1510
www.appliedmotion.com
sales@appliedmotion.com

Carlton Bates Company

Choose your state or province from the dropdown list to see the Opto 22 distributors in your area. Email addresses and website links are included in the distributor's listing.

OPTO 22

About Opto Section

Curious to know more about Opto 22? Then check out our history, corporate contacts, pressroom, and more; just click the About Opto tab.

Read more about Opto 22's **company philosophy**.

See recent **news** articles about Opto 22.

Want to **work at Opto**? We're hiring!

Come see us at trade shows and other events

The screenshot shows the Opto 22 website's 'About Opto' page. The navigation bar includes 'Products', 'Support', 'Learn', 'Watch', 'How to Buy', 'About Opto', and 'Community'. The 'About Opto' dropdown menu is open, showing 'History', 'Pressroom', 'Directions', 'Sustainability', 'OptoNews', 'Corporate Contacts', 'Careers', and 'Events'. The main content area features a large image of the Opto 22 building with a 'Read more' button. Below this are several sections: 'Our History', 'Pressroom', 'Directions & Accommodations', 'Sustainability', 'OptoNews', and 'Corporate Contacts'. A 'My.Opto22' sidebar on the right contains links for 'Log In', 'My.Opto22 Home', 'My OptoProducts', and 'My Cart'. A 'All Opto22' sidebar contains links for 'Contact Opto 22', 'Most Popular', and 'Recently Viewed'. A 'MADE IN THE USA' badge and social media icons are also present. A callout box on the right says 'Coming to see us? Here's how to get to Opto 22 and where to stay while you're visiting.' Green arrows point from external text to various elements on the page.

Sustainability makes good business sense. Read about what we're doing.

Do you get **OptoNews**? See back issues and subscribe!

Community Section

If you're interested in Opto 22 products, you're part of the **OptoCommunity**—a helpful bunch of people not only from Opto 22 itself, but from all over the world. Click the Community tab to find them.

- Post your questions or answer other questions in the **OptoForums**.
- Find an **OptoPartner** who can help you with your application.
- Get product news and technical tips from **OptoNews**.
- Join our [LinkedIn](#) group; follow us on [Twitter](#).
- Who is Opto 22 and what are we doing? Stay in touch with the OptoFamily's latest postings on [Facebook](#).

The screenshot shows the Opto 22 website's community section. At the top, there's a navigation bar with tabs for Products, Support, Learn, Watch, How to Buy, About Opto, and Community. Below this is a secondary navigation bar with links like My.Opto22, OptoPartners, Request Information, etc. The main content area features a 'Welcome!' message, a 'my.Opto22' account management section, 'OptoForums', 'OptoBlogs', 'OptoPartners', and social media links for Twitter, Facebook, and LinkedIn. There are also sidebars for 'My.Opto22' and 'All Opto22' content.