

Quick Start Guide

Digi One™ IAP, Digi One™ IA, Digi One™ IAP HAZ



1 Welcome to your Digi product

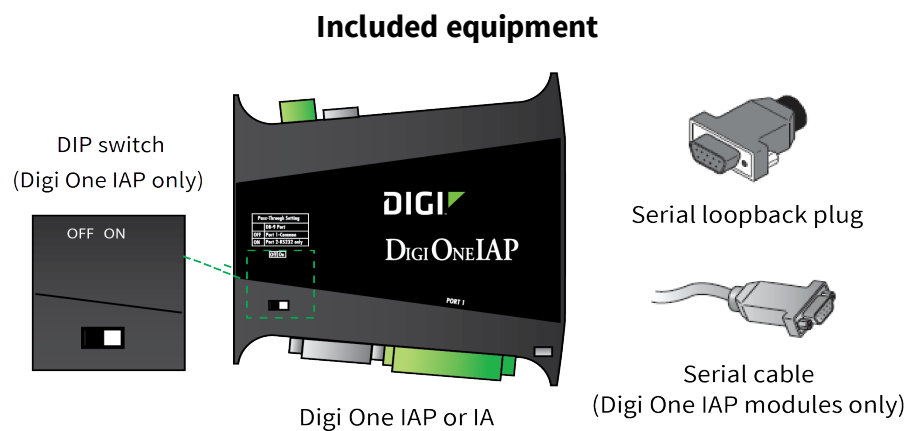
Get started: This guide helps you with initial product setup. Need more? Find additional supporting material for this product at www.digi.com/products/serial-servers/digioneiapfamily. Or connect to the online documentation by scanning this code:



Digi Technical Support: Digi offers multiple support plans to help you get the most out of your product. For information on Technical Support plans and pricing, contact us at 877.912.3444 or visit www.digi.com/support.

Documentation feedback: To provide feedback on this documentation, send your comments to techcomm@digi.com.

2 Verify your components



Verify that you have all included equipment. If any item is missing or damaged, contact your supplier.

3 Set the DIP switch or screw-terminal pins

Set the serial DIP switch according to your serial device requirements (EIA-232/422/485). The pinouts are on the back of the device.

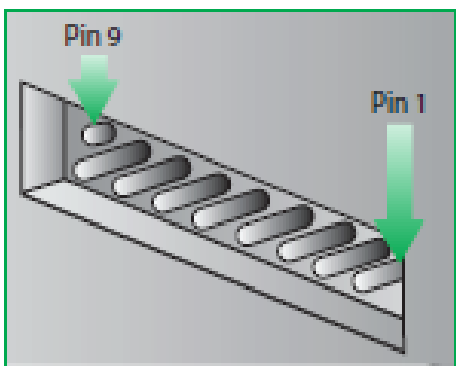
Switch setting

Digi One IAP only: Set pass-through settings.

See the graphic in section 2, **Verify your components**, for the location of the DIP switch.

Up: ON Down: OFF 	Switch position	Port 1 screw term	Port 2 DB-9	Flow control
		ON	Follows switch (232/422/485)	RS-232 only
OFF	Follows switch (232/422/485)	Follows switch (232/422/485)	Hardware flow control supported	

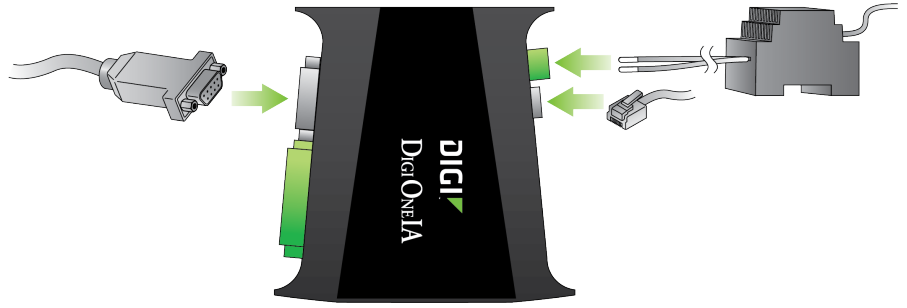
If switch 4 is up, the termination resistor is connected. If switch 4 is down, the termination resistor is not connected.



DB-9	RS-232	RS-422/485 Full-duplex	RS-485 Half_duplex	Screw term
2	RxD	RxD+	RxD+	6
3	TxD	TxD+	TxD+	3
7	RTS	RTS+	Not used	1
8	CTS	CTS+	Not used	8
5	GND	GND	GND	5
6	DSR	RxD-	RxD-	7
1	DCD	CTS-	Not used	9
4	DTR	RTS-	Not used	2
9	NA	TxD-	TxD-	4

4 Connect the hardware

1. Connect the serial cable (DB-9 shown).
2. Connect the Ethernet cable (not provided).
3. Connect the power source.



Ethernet link LED

- Green = good link
- Off = no link

Note Wiring terminals should be tightened to 5 inches per pound. Use copper conductors only.

LEDs and startup status: All LEDs flash on startup.

- **Power LED:**

Off: No power.

On: Illuminated when power is applied.

- **Link LED:**

Solid: Device detects an active network connection.

- **TX and RX:**

Flashing: Indicates normal network traffic.

- **DIAG LED:**

Not flashing/off: IP address is assigned.

Steady blinking: Waiting for IP address to be assigned.

5 Download required documentation and software

To find documentation and software for this product, navigate to www.digi.com/products/serial-servers/digioneiapfamily and click the **Product Support** tab.

Digi provides several utilities that discover and configure devices on a network. Download the appropriate utility to get started.

1. Click the **Utilities** tab.
2. Select your operating system. A list of available utilities for your operating system appears.
3. Download and run either the **Device Discovery Utility** or **Digi Port Authority - Remote**.

If the serial ports for your product will be managed using Digi's RealPort software, download the driver.

1. Click the **Drivers** tab.
 2. Select your operating system. A list of available downloads and release notes for your operating system appears.
 3. Download the RealPort driver and the release notes.
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Note For Microsoft Windows operating systems, unzip the download package and run the executable. For Linux or UNIX operating systems, follow the instructions in the release notes.

6 Configure the serial ports

Open the *Digi One IAP Family User Guide* at www.digi.com/resources/documentation/digidocs/pdfs/90000263.pdf.

1. Open the **Digi Discovery Utility** or **Digi Port Authority - Remote** web interface.
 2. In the list of discovered devices, select the device to configure. Configure the IP address, if necessary.
 3. Go to **Applications > Industrial Automation > Launch the Industrial Automation Wizard**.
 4. Follow the prompts to complete the configuration.
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Note To configure products to use industrial protocol profiles, see the *Digi One IAP Family User Guide* at www.digi.com/resources/documentation/digidocs/pdfs/90000263.pdf.

7 What's next?

You can also find additional information at knowledge.digi.com and the Digi forum at www.digi.com/support/forum/.