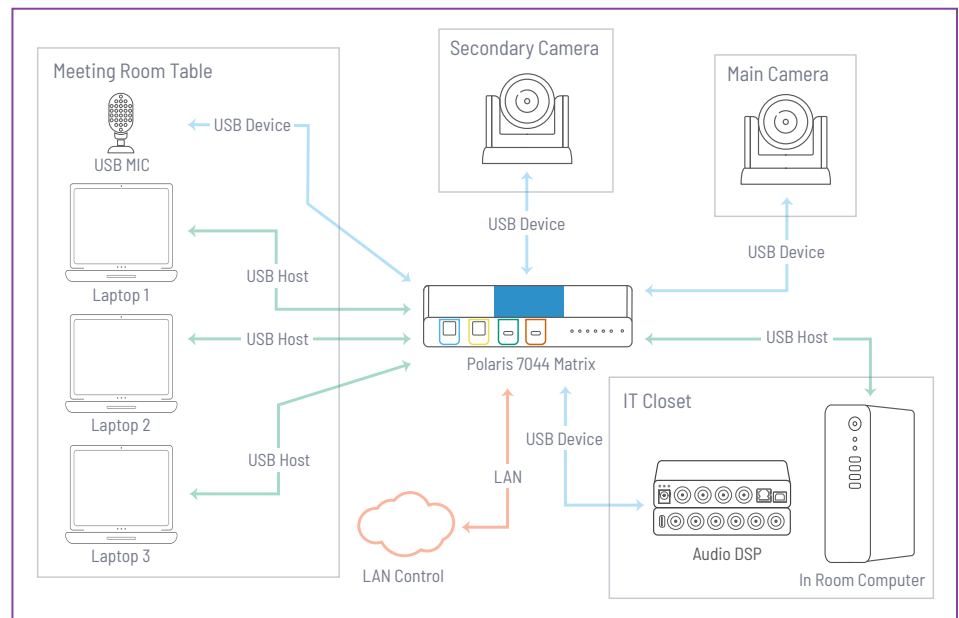# Datasheet

Icron Polaris™ 7044

USB 3-2-1 Matrix

Icron Polaris 7044 is a 4x4 USB 3-2-1 Matrix enabling any host to conveniently connect to, and switch between, one or more devices. Polaris supports USB 3 (5Gbps), 2.0, and 1.1 devices while powering up to 15W offering up to 24 possible configurations, controlled via RS232, web GUI, or API providing extremely flexible USB connectivity.

Features

- 4x4 (4 Upstream, 4 Downstream) USB Matrix
- 24 possible configurations
- Supports USB 3 5Gbps and USB 2.0/1.1
- 15W of power per USB-C Device Port
- 6W of power per USB-A Device Port
- RS232 and Network API
- RS232, LAN Control with Web GUI interface
- SSH Secure Login
- 2 Polaris per single 19" rack space

Applications

- Boardrooms
- Divisible Rooms
- IT as part of a KVM
- Desktop Switching

For more information about configuring and operating this product, refer to the complete online user guide.

For technical support, visit **icron.com/support**.

For sales/general inquiries, visit **icron.com/contact**.

Polaris™ 7044 Specifications

Host Upstream Ports	2 x USB-B Ports, 2 x USB-C Ports
Device Downstream Ports	2 x USB-A Ports, 2 x USB-C Ports
Traffic Types	Supports all USB Traffic Types
Device Types	Supports all USB Device Types
Available Power	15W per USB-C Port, 6W per USB-A Port
Hub Tiers Used	1
Network	100BASE-T
Control	1 x RJ45, 1 x 3-Pin RS232
Power Supply	100-240V AC Input, 24V 2.71A DC Output
Enclosure Material	Black Anodized Aluminum
Dimensions (W x D x H)	212.5mm x 125mm x 30mm (8.37" x 4.92" x 1.18")
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Operating Humidity	20% to 80% relative humidity, non-condensing
Storage Humidity	10% to 90% relative humidity, non-condensing
Certifications	FCC (Class A), CE (Class A), RoHS2/3 (CE), ICES-003 Issue 7, IEC 62368-1 4th ED.
Warranty	2-year

Ordering Information

The Icron Polaris 7044 Matrix includes the following package contents and comes with a two-year warranty.

- Polaris 7044 Matrix
- 24V 2.71A International Power Adapter
- Country Specific AC Power Cord
- RS232 Mating Connector
- Default Values Label (to affix where desired)
- Quick Start Guide

Note: USB cables are not included.

To order or for more information, contact us online at **icron.com/contact**, by email at **IcronSales@analog.com**, or call +1 604 638 3920.

PART #	NAME	DESCRIPTION
00-00466	Icron Polaris 7044 Matrix - NA	Icron Polaris, Black 4x4 USB 3-2-1 Matrix, 100-240V Adapter - NA Plug
00-00467	Icron Polaris 7044 Matrix - EU	Icron Polaris, Black 4x4 USB 3-2-1 Matrix, 100-240V Adapter - EU Plug
00-00468	Icron Polaris 7044 Matrix - UK	Icron Polaris, Black 4x4 USB 3-2-1 Matrix, 100-240V Adapter - UK Plug
00-00469	Icron Polaris 7044 Matrix - AU	Icron Polaris, Black 4x4 USB 3-2-1 Matrix, 100-240V Adapter - AU Plug
00-00470	Icron Polaris 7044 Matrix - JP	Icron Polaris, Black 4x4 USB 3-2-1 Matrix, 100-240V Adapter - JP Plug
10-00394	USB Mounting Kit - Black	Black Mounting Kit includes: 2 brackets, 4 locking washers and 4 (M3 x 5mm) Philips pan head screws.