

# CoaXPress CXP6 Series

## 1- to 4-Port PCI Express CXP6 Frame Grabber



### Features

- Half-size PCI Express x8
- CoaXPress links, supports CXP-6
- StreamSync Buffer Manager DMA engine
- Can acquire up to 4 single link cameras
- Uses DIN 1.0/2.3 connectors
- Supports both PoCXP and non-PoCXP cameras
- Triggers and encoders for external control
- Supports Windows and Linux

### Description

The Cyton series is a PCI Express CoaXPress frame grabber that supports 1, 2, or 4 cameras. These models support all commercially available CoaXPress camera that run at speeds between 1.250 to 6.250 Gb/S. The Cyton will automatically configure itself to whatever camera is connected.

The Cyton-CXP2 can support either one dual-link camera or two single-link cameras, while the Cyton-CXP4 can support either four single-link cameras, two dual-link cameras, or one quad-link camera configuration. Each CoaXPress (CXP) link in these configurations can deliver up to 13 watts of power output at 24V<sub>DC</sub>.

### Specifications

Camera Interface	Compatibility	CXP-1 to CXP-6
	Speed	3/6 Gbps
	Connector	DIN1.0/2.3
	Bus Interface	PCIe x8
Processor and Software Support Package	Processor Architecture	x86, ARM64
	Operating System	Windows 10 and 11 (x86 only), Linux (x86 and ARM) SDK C, C++, C#, Python
Power Requirements	Input Voltage	12 V <sub>DC</sub> direct from PCIe slot, or AT/ATX System power input
	Overload Current Protection	Present
	Connection	AT/ATX Power Jack
	Power Over CXP	up to 13W, 24 V <sub>DC</sub> each CXP link (total max. 52W with AT/ATX system power input)
Environment	Operating Temperature	0 ~ 50°C (32 ~ 122°F)
	Storage Temperature	-20 ~ 80°C (-4 ~ 176°F)
	Operating Humidity	5 ~ 95% RH
Mechanics	Dimensions (W x D)	174 x 106 mm
Certification	Compliance	FCC CE Class A

### Ordering Information

Part Number	Description
PCIE-1142-AE	Cyton CXP2, 2-port PCI Express CoaXPress, CXP6 Frame Grabber
PCIE-1144-AE	Cyton CXP4, 4-port PCI Express CoaXPress, CXP6 Frame Grabber