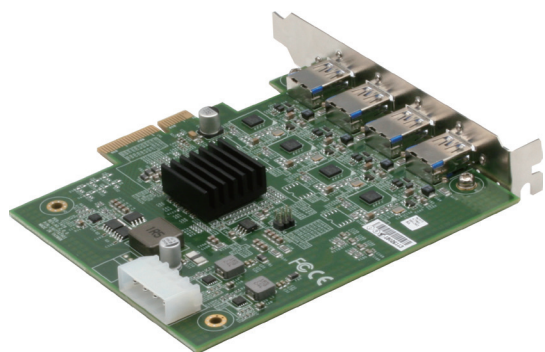
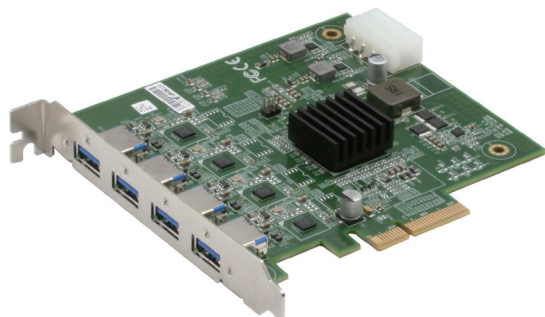


4-Port USB 3.0 PCI-E [x4] Frame Grabber Card



Features

- PCI-Express® [x4] Gen. 2 Compliant
- 4 Independent USB 3.0 Host Controller
- Support Bandwidth 5 Gb/s for Each Port
- Support Lockable USB Connector



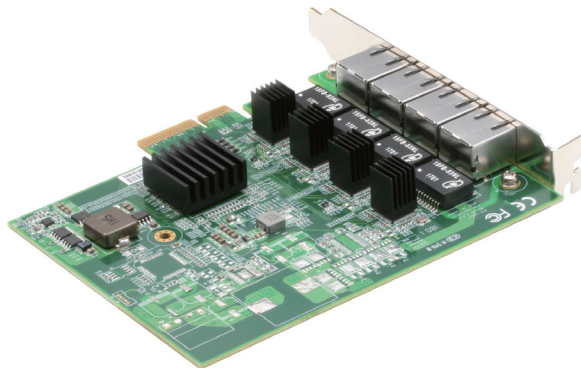
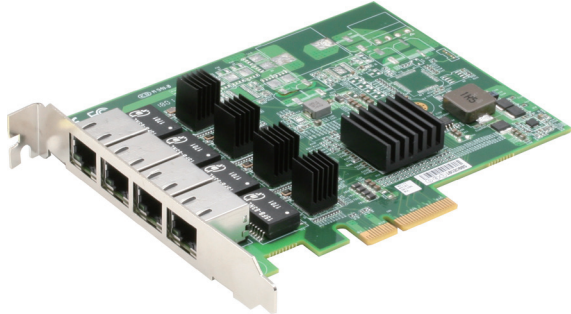
Specifications

System	
Bus Interface	PCI-Express® [x4], Gen 2 PCI-Express Specification Revision 2.1 at 5GT/s
USB	4 independent USB3.0 host controllers 900mA @ 5V for each port Compliant with USB 3.0 Specification Revision 1.0 4 downstream USB ports support SS/HS/FS/LS data rates (5Gbps/480Mbps/12Mbps/1.5Mbps)
USB Connector	4 USB 3.0 Type-A connectors with lockable screw threads
OS Support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7(32/64-bit) Linux
Power Supply	
Power Requirement	5V from external IDE 4-pin power connector
Mechanical	
Dimensions (W x D)	120mm(L) x 106.65mm(W) x 20mm(H)
Environmental	
Operating Temperature	0°F ~ 140°F (0°C ~ 60°C) (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-49°F ~ 185°F (-45°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing

Ordering Information

- **PER-T479-A10-00**
4-Port USB 3.0 PCI-E [x4] Frame Grabber Card

4-Port Intel® GbE LAN PCI-E [x4] Frame Grabber Card



Features

- PCI-Express® [x4] Gen. 2 Compliant
- 4 Independent Gigabit Ethernet Controller, Intel® i211AT
- Support Bandwidth 1Gb/s for Each Port
- Support for Link Aggregation/Jumbo Frames (9 KByte)



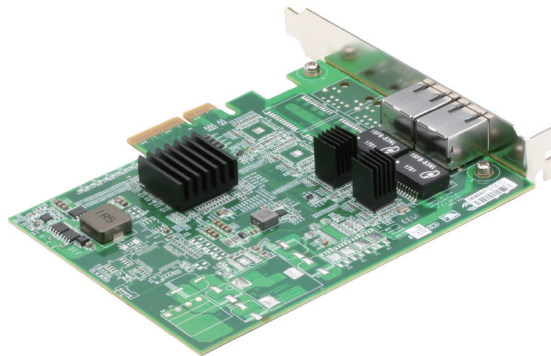
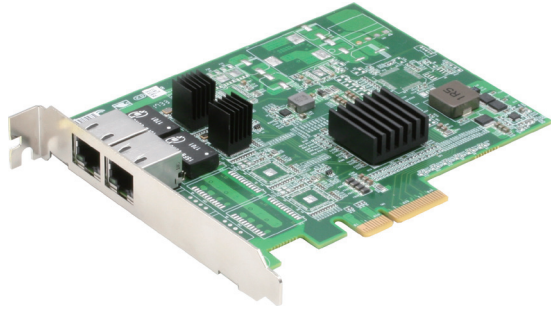
Specifications

System	
Bus Interface	PCI-Express® [x4], Gen 2 PCI-Express Specification Revision 2.1 at 5GT/s
Ethernet	Intel® i211AT Ethernet Controller x 4 Bandwidth 1Gb/s for each port Fully compliant with IEEE 802.3 and IEEE 802.3u Support IEEE 1588 precision time synchronization
OS Support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7(32/64-bit), Linux
Power Supply	
Power Requirement	Max. 10W
Mechanical	
Dimensions (W x D)	110mm(W) x 136mm(D)
Environmental	
Operating Temperature	-4°F ~ 140°F(-20°C ~ 60°C) (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-49°F ~ 185°F(-45°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing

Ordering Information

- PER-T481-A10-00
4-Port Intel® GbE LAN PCI-E [x4] Frame Grabber Card

2-Port Intel® GbE LAN PCI-E [x4] Frame Grabber Card



Features

- PCI-Express® [x4] Gen. 2 Compliant
- 2 Independent Gigabit Ethernet Controller, Intel® i211AT
- Support Bandwidth 1 Gb/s for Each Port
- Support for Link Aggregation/Jumbo Frames (9 KByte)



Specifications

System	
Bus Interface	PCI-Express® [x4], Gen 3 PCI-Express® Specification Revision 3.0 at 5GT/s
Ethernet	Intel® i211AT Ethernet Controller x 2 Bandwidth 1Gb/s for each port Fully compliant with IEEE 802.3 and IEEE 802.3u Support IEEE 1588 precision time synchronization
OS Support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7(32/64-bit), Linux
Power Supply	
Power Requirement	Max. 10W
Mechanical	
Dimensions (W x D)	110mm(W) x 136mm(D)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C) (according to IEC68-2-14 with 0.5 m/s AirFlow; with industrial devices)
Storage Temperature	-49°F ~ 185°F (-45°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing

Ordering Information

- **PER-T481-A20-00**
2-Port Intel® GbE LAN PCI-E [x4] Frame Grabber Card

2-Port USB 3.1 PCI-E [x4] Frame Grabber Card



Features

- PCI-Express® [x4] Gen. 3 Compliant
- 1 Independent USB 3.1 Host Controller
- Support Bandwidth 10 Gb/s for Each Port
- Support Lockable USB Connector



Specifications

System	
Bus Interface	PCI-Express® [x4], Gen 3 PCI-Express Specification Revision 3.0 at 8GT/s
USB	1 independent USB3.1 host controllers 900mA @ 5V for each port Compliant with USB 3.1 Gen. 2 specification Revision 1.0
USB Connector	2 USB 3.1 Type-A connectors with lockable screw threads
OS Support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7 (32/64-bit) Linux
Power Supply	
Power Requirement	From PCIe bus
Mechanical	
Dimensions (W x D)	100mm(W) x 71.1mm(D)
Environmental	
Operating Temperature	0°F ~ 140°F (0°C ~ 60°C) (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-49°F ~ 185°F (-45°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing

Ordering Information

- **PER-T499-A10-00**
2-Port USB 3.1 PCI-E [x4] Frame Grabber Card

2-Port USB 3.0 PCI-E [x1] Frame Grabber Card



Features

- PCI-Express® [x1] Gen. 2 Compliant
- 1 Independent USB 3.0 Host Controller
- Support Lockable USB Connector



Specifications

System	
Bus Interface	PCI-Express® [x1], Gen 2
USB	1 independent USB3.0 host controller 900mA @ 5V for each port Compliant with USB 3.0 Specification Revision 1.0
USB Connector	2 USB 3.0 Type-A connectors with lockable screw threads
OS Support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7(32/64-bit) Linux
Power Supply	
Power Requirement	From PCIe bus
Mechanical	
Dimensions (W x D)	78mm(W) x 71.1mm(D)
Environmental	
Operating Temperature	0°F ~ 140°F(0°C ~ 60°C) (according to IEC68-2-14 with 0.5 m/s AirFlow ; with industrial devices)
Storage Temperature	-49°F ~ 185°F(-45°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing

Ordering Information

- PER-T500-A10-00
2-Port USB 3.0 PCI-E [x1] Frame Grabber Card