

Hardware Distribution

Communication Cards

MP1-PCI-PP-LPX

Universal PCI (32/64 PCI/PCI-X, 3,3 or 5 Volt)

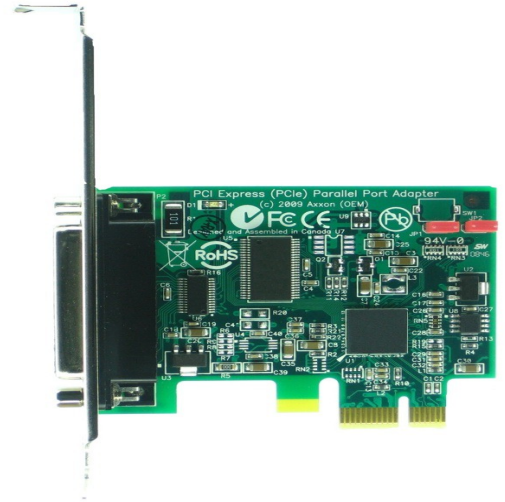
- ◆ Single parallel Printer Port (EPP/ECP)
- ◆ 32/64 Bit PCI / PCI-X Bus
- ◆ Compatible with 3.3 Volt and 5 Volt (i.e. Dell, Compaq, IBM, Intel chassis)
- ◆ Supports Printer and License Dongles e.g. Rainbow Sentinel (Super Pro, Pro, C+, Scribe), Aladdin HASP (Hardlock), DESKey, Dallas iButton, Wibu, Eutron, Globe, ...
- ◆ 30KV ESD Static Protection
- ◆ IRQ Sharing
- ◆ Plug & Play compatible
- ◆ PCI Bus 2.3 compatible (3.3 or 5 Volt)
- ◆ CE and FCC Class B
- ◆ OS Support:
 - DOS, Novell
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.7 or higher), SCO UnixWare 5, 6, 7
 - VMware, VMware ESXi (ESXi 4.x or higher or Vmware vSphere Hypervisor)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Windows 95/98/Me
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: Documentation in english, software drivers



MP1-PCIe-PP

(PCIe & PCI Express), EPP/EPC

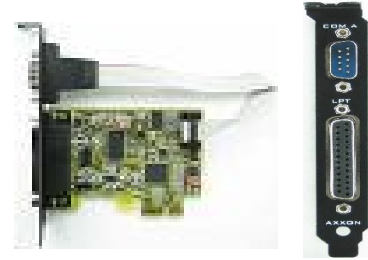
- ◆ Single parallel Printer Port
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ Supports EPP/ECP under Windows
- ◆ Supports Printer and License Dongles e.g. Rainbow Sentinel (Super Pro, Pro, C+, Scribe), Aladdin HASP (Hardlock), DESKey, Dallas iButton, Wibu, Eutron, Globe, ...
- ◆ IEEE1284 30kv ESD Static Protection
- ◆ Plug & Play compatible
- ◆ CE and FCC Class B
- ◆ OS Support:
 - DOS, Novell
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.7 or higher)
 - VMMware, VMware ESXi (ESXi 4.x or higher or Vmware vSphere Hypervisor)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Windows 95/98/Me
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: Documentation in english, software drivers



MP1-PCIe-1S1P

PCIe & PCI Express Bus

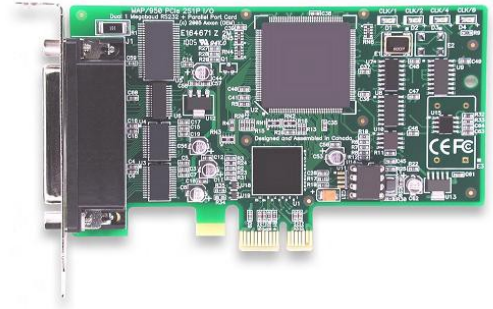
- ◆ Single serial port (RS-232)
- ◆ Single parallel Printer Port (LPT)
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ Parallel Port supports EPP/ECP under Windows
- ◆ Parallel Port Compatible with Rainbow Sentinel (Super Pro, Pro, C+, Scribe), Aladdin HASP/Hardlock, DESKey, Dallas iButton, Wibu, Eutron, Globe dongles, ...
- ◆ 30 kv ESD Static Parallel Port Protection
- ◆ 15 kv ESD Surge Serial Port Protection
- ◆ Plug & Play compatible
- ◆ CE and FCC Class B
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: 1x DB9M (Male) and 1x DB25F (Female, parallel)
- ◆ OS Support:
 - DOS & Novell (only parallel port)
 - Linux (32 Bit, 64 Bit) Plug&Play
 - SCO Unix (v5.0.4 or higher)
 - VMware, VMware ESXi (ESXi 4.x or higher or VMware vSphere Hypervisor)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me
- ◆ Package contains: Standard and Low Height Brackets included, Documentation in english, software drivers



MP2-PCIe-2S1P

PCIe & PCI Express Bus

- ◆ 2xRS-232 and one parallel Printer Port (EPP/ECP)
- ◆ PCIe & PCI Express Bus
- ◆ Transmission speed (RS-232) up to 1 Megabaud !
- ◆ 15KV ESD Static Protection (RS-232)
- ◆ 30KV ESD Static Protection (parallel)
- ◆ IRQ Sharing
- ◆ Plug & Play compatible
- ◆ Supports Printer and License Dongles e.g. Rainbow Sentinel (Super Hardlock), DESKey, Dallas iButton, Wibu, Eutron, Globe, ...
- ◆ CE and FCC Class B
- ◆ OS Support:
 - DOS & Novell (only parallel port)
 - Linux (32 Bit, 64 Bit) Plug&Play
 - SCO Unix (v5.0.4 or higher)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me
- ◆ Standard and Low Profile mounting. Standard and Low Height Brackets included.
- ◆ Package contains: Documentation in english, software drivers, Cable (HD44M to 2x DB9M and 1x DB25F)



MP2-PCI-2S1P

Universal PCI (32/64 PCI/PCI-X, 3,3 or 5 Volt), EPP/EPC

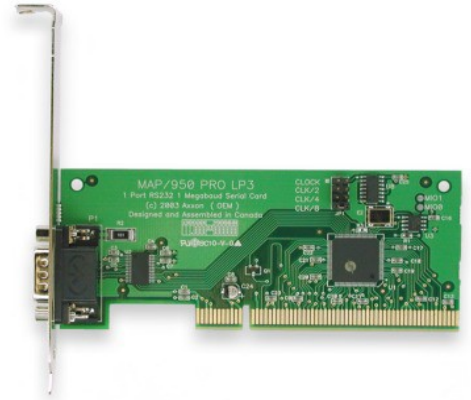
- ◆ 2 Serial Ports (RS-232) and one Parallel Printer Port (EPP/ECP)
- ◆ **bus speed 33 Mhz, 66 Mhz, 100 Mhz, 133 Mhz PCI / PCI-X**
- ◆ 32/64 Bit PCI / PCI-X Bus
- ◆ Compatible with 3.3 Volt and 5 Volt (i.e. Dell, Compaq, IBM, Intel chassis)
- ◆ Transmission speed (RS-232) up to 1 Megabaud !
- ◆ Supports Printer and License Dongles e.g. Rainbow Sentinel (Super Pro, Pro, C+, Scribe), Aladdin HASP (Hardlock), DESKey, Dallas iButton, Wibu, Eutron, Globe, ...
- ◆ 15KV ESD Static Protection (RS-232)
- ◆ 30KV ESD Static Protection (parallele)
- ◆ IRQ Sharing
- ◆ Plug & Play compatible
- ◆ PCI Bus 2.3 compatible (**3.3 or 5 Volt**)
- ◆ CE and FCC Class B
- ◆ OS Support:
 - DOS & Novell (parallel)
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.7 or higher)
 - VxWorks, QNX, OS/2 (Warp 4)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: Documentation in english, software drivers, [Cable](#) (HD44M to 2x DB9M and 1x DB25F)



MP1-PCI-RS232-LP

PCI-X Bus, 3,3 Volt

- ◆ 1 Serial Port (RS-232)
- ◆ For **PCI-X Bus** with **3.3 Volt** (i.e. Dell, Compaq, [HP](#), IBM, Intel chassis)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ Transmission speed to 1 Megabaud !
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ PCI Bus 2.2 compatible (**3.3 Volt**)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit),
 - Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Windows 95/98/Me
- ◆ Connectors: DB-9M
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: Documentation in english, software drivers



MP1-PCIe-RS232

PCIe & PCI Express Bus

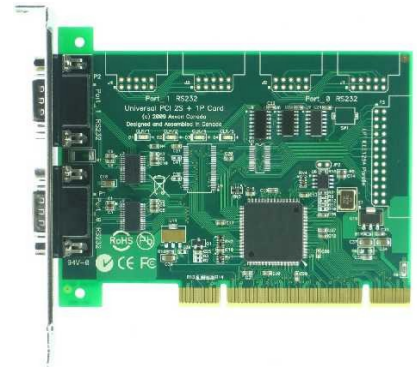
- ◆ 1 Serial Port (RS-232)
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ Transmission speed to 1 Megabaud !
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.4 or higher)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit),
 - Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows
 - 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows
 - 95/98/Me. compatible with Microsoft Serial Device Driver.
- ◆ Connectors: DB-9M
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: Documentation in english, software drivers



MP2-PCI-FIFO

PCI and PCI-X Bus

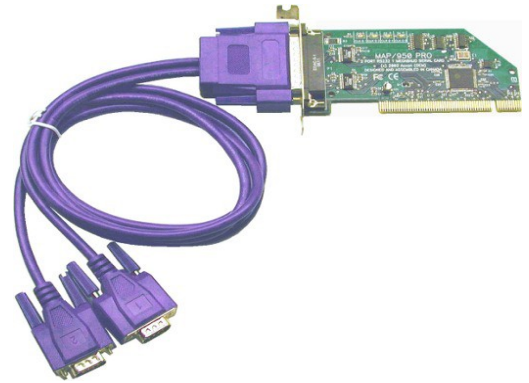
- ◆ 2 Serial Ports (RS-232)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed up to 1 Megabaud
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ Universal PCI (5 Volt and 3.3 Volt PCI / PCI-X)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Windows 95/98/Me
- ◆ Connectors: 2x DB-9M
- ◆ Package contains: Documentation in english, software drivers



MP2-PCI-FIFO-LP

PCI and PCI-X Bus

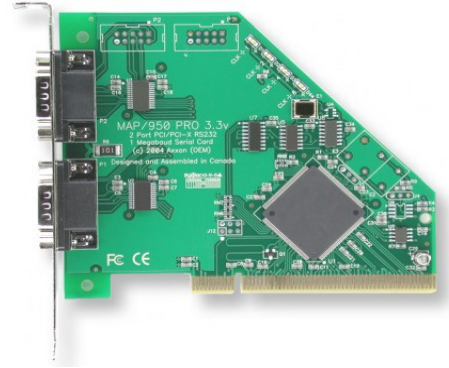
- ◆ 2 Serial Ports (RS-232)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed up to 1 Megabaud
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ Universal PCI (5 Volt and 3.3 Volt PCI / PCI-X)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Windows 95/98/Me
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: [Cable](#) with 2x DB-9M, documentation in english, software drivers



MP2-PCI-RS232

PCI-X Bus, 3,3 Volt

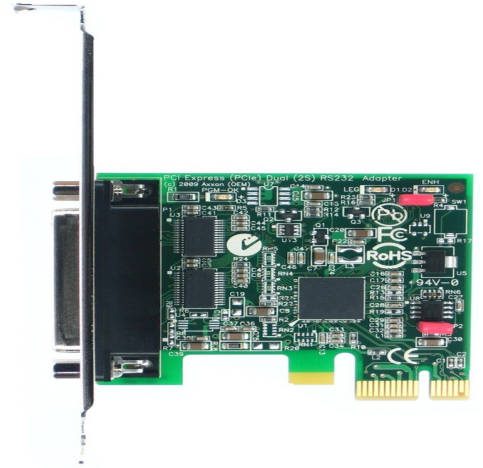
- ◆ 2 Serial Ports (RS-232)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ For **PCI-X Bus** and **3.3 Volt** (i.e. Dell, Compaq, [HP](#), IBM, Intel chassis)
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 1 Megabaud
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ PCI Bus 2.2 compatible (**3.3 Volt**)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit),
 - Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me
- ◆ Connectors: 2x DB-9M
- ◆ Package contains: Documentation in english, software drivers



MP2-PCIe-RS232

PCIe & PCI Express Bus

- ◆ 2 serial ports (RS-232)
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ Transmission speed to 1 Megabaud !
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - VMware, VMware ESXi (ESXi 4.x or higher or VMware vSphere Hypervisor) incl. Port-Splitting.
 - SCO Unix (v5.0.4 or higher)
 - OS/2
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me. Compatible with *Microsoft Serial Device Driver* .
- ◆ Standard and Low Profile mounting. Standard and Low Height Brackets included.
- ◆ Package contains: [Cable](#) with 2x DB-9M, documentation in english, software drivers

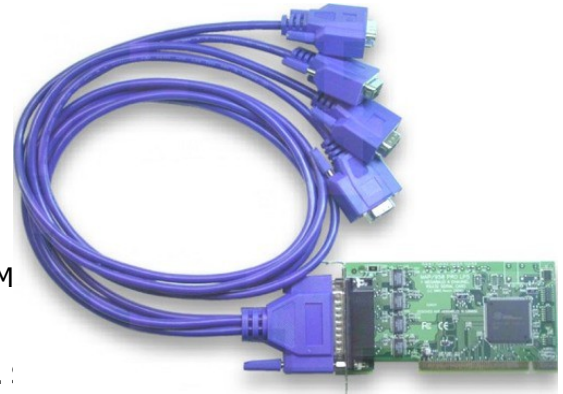


MP4-PCI-FIFO-R2

Universal PCI (32/64 PCI and PCI-X Bus, 3.3 or 5 Volt)

New Design!

- ◆ 4 Serial Ports (RS-232)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 1 Megabaud!
- ◆ Plug & Play compatible
- ◆ 15 kv ESD + HBM Surge Protection
- ◆ 32/64 Bit PCI and PCI-X Bus
- ◆ PCI Bus 2.3 compatible (3.3 or 5 Volt) (e.g Dell, Compaq, IBM)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ *Standard and Low Profile mounting (121,79 mm x 79,2 mm).* :
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me
- ◆ Package contains: [Cable](#) with 4x DB-9M, documentation in english, software drivers



New design! Also suitable to replace the older model of MP4-PCI-FIFO, MP4-PCI-FIFO-LP und MP4-PCI-FIFO-LPX.

MP4-PCIe-RS232

PCIe & PCI Express Bus

- ◆ 4 Serial Ports (RS-232)
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ Transmission speed to 1 Megabaud !
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ **OS Support:**
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.4 or higher)
 - VMware, VMware ESXi (ESXi 4.x or higher or VMware vSphere Hypervisor) *
 - QNX
 - OS/2 (Warp 4.0)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me. Compatible with *Microsoft Serial Device Driver* .
- ◆ *Standard and Low Profile mounting* (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: [Cable](#) with 4x DB-9M, documentation in english, software drivers



*ESXi: All ports mapped into one VM

MP8-PCI-FIFO

Universal PCI-Bus (PCI & PCI-X Bus)

- ◆ 8 Serial Ports (RS-232)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 1 Megabaud!
- ◆ Plug & Play compatible
- ◆ 15 kv ESD + HBM Surge Protection
- ◆ 32/64 Bit PCI and PCI-X Bus
- ◆ PCI Bus 2.3 compatible (3.3 or 5 Volt) (e.g Dell, Compaq, IBM, Intel chassis)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Package contains: [Cable](#) with 8x DB-9M, documentation in english, software drivers



New design! Also suitable to replace the older model of MP8-PCI-FIFO and MP8-PCI-RS232.

MP8-PCIe-RS232-R2

PCIe & PCI Express Bus

New Design!

- ◆ 8 Serial Ports (RS-232)
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ Transmission speed to 1 Megabaud !
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Apple MAC OS 9 and higher
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.4 oder higher)
 - VMware, VMware ESXi (ESXi 4.x or higher or VMware vSphere Hypervisor)*
 - QNX
 - OS/2 (Warp 4.0)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me. Compatible with *Microsoft Serial Device Driver*
- ◆ *Standard and Low Profile mounting* (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Package contains: [Cable](#) with 8x DB-9M, documentation in english, software drivers



*ESXi: All ports mapped into one VM

MP16-PCI-FIFO

Universal PCI (PCI and PCI-X-Bus)

New Design!

- ◆ 16 Serial Ports (RS-232)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 1MBaud
- ◆ Plug & Play compatible
- ◆ 32/64 Bit PCI and PCI-X Bus
- ◆ PCI Bus 2.3 compatible (3,3 or 5 Volt)
- ◆ Compatible with 3.3 Volt and 5 Volt
- ◆ 15 kv ESD + HBM Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me. Compatible with *Microsoft Serial Device Driver*
- ◆ Installing up to four cards enables up to 64 ports
- ◆ Package contains: [Cable](#) with 16x DB-9M, documentation in english, software drivers



New design! Also suitable to replace the older model MP16-PCI-RS232. Fully software compatible.

MP16-PCI-RS232

Replaced by the new [MP16-PCI-FIFO](#)

MP16-PCIe-RS232

PCIe & PCI Express Bus

- ◆ 16 Serial Ports (RS-232)
- ◆ PCIe & PCI Express Bus compatible
- ◆ Bus design compatible with 1x, 4x, 8x, 16x lane expansion slots
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Hardware Auto-Flow Control (times faster than software)
- ◆ Transmission speed to 1 Megabaud !
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Apple MAC OS 9 and higher
 - Linux (32 Bit, 64 Bit)
 - SCO Unix (v5.0.4 oder higher)
 - VMware, VMware ESXi (ESXi 4.x or higher or VMware vSphere Hypervisor)*
 - QNX
 - OS/2 (Warp 4.0)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me. Compatible with *Microsoft Serial Device Driver*
- ◆ Package contains: [Cable](#) with 16x DB-9M, documentation in english, software drivers



*ESXi: All ports mapped into one VM

Serial Cards RS-422, RS-485

MP1-PCI-422/485-ISO

PCI Bus

- ◆ 1 Serial Port (RS-422/485)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ 2500 Volt Galvanically Isolated signals TX+, TX-, RX+, RX- and Ground
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ *Echo suppression* by setting an external jumper (On/Off)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921Kbps (optional 15 Megabaud)
- ◆ Plug & Play compatible
- ◆ 25 kv ESD Surge Protection
- ◆ PCI Bus 2.2 compatible (5 Volt)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Multiple boards may be installed for additional serial ports
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: DB-9M
- ◆ Package contains: Documentation in english, software drivers



MP1-PCI-422/485-ISO

PCI Bus

- ◆ 1 Serial Port (RS-422/485)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ 2500 Volt Galvanically Isolated signals TX+, TX-, RX+, RX- and Ground
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ *Echo suppression* by setting an external jumper (On/Off)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921Kbps (optional 15 Megabaud)
- ◆ Plug & Play compatible
- ◆ 25 kv ESD Surge Protection
- ◆ PCI Bus 2.2 compatible (5 Volt)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Multiple boards may be installed for additional serial ports
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: DB-9M
- ◆ Package contains: Documentation in english, software drivers



MP1-PCIe-422/485-ISO

PCIe & PCI Express Bus

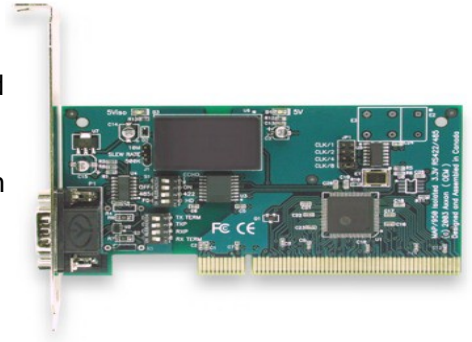
- ◆ 1 Serial Port (RS-422/485)
- ◆ PCIe & PCI Express Bus compatible
- ◆ 128 Byte transmit and receive buffers per port
- ◆ 2500 Volt Galvanically Isolated signals
TX+, TX-, RX+, RX- and Ground
- ◆ TX+, TX-, R+, RX-, RTS+, RTS-, CTS+, CTS-
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ Onboard switch selectable 120 ohm terminators
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921Kbps
- ◆ Plug & Play compatible
- ◆ 25 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Multiple boards may be installed for additional serial ports
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: DB-9M
- ◆ Package contains: Documentation in english, software drivers



MP1-PCI-422/485-LP

PCI-X Bus, 3,3 Volt

- ◆ 1 Serial Port (RS-422/485)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ For **PCI-X Bus** and **3.3 Volt** (i.e. Dell, Compaq, [HP](#), IBM, Intel chassis)
- ◆ 2500 Volt Galvanically Isolated signals TX+, TX-, RX+, RX- and Ground
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ Local *Echo suppression* by setting an external jumper (On/Off)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921Kbps (optional 15 Megabaud)
- ◆ Plug & Play compatible
- ◆ 15 kv ESD Surge Protection
- ◆ PCI Bus 2.2 compatible (**3.3 Volt**)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: DB-9M
- ◆ Package contains: Documentation in english, software drivers



MP2-PCI-422/485

PCI-Bus

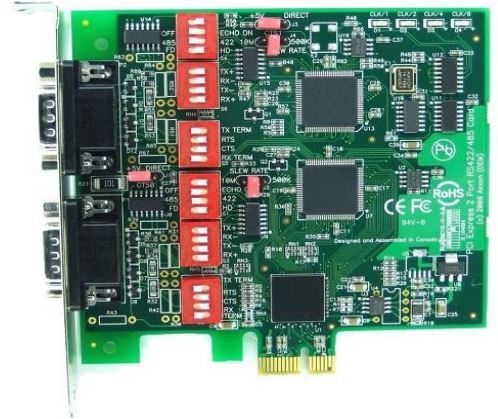
- ◆ 2 Serial Ports (RS-422/485)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ TX+, TX-, R+ and RX-
- ◆ 422 and 485 switchable
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ Local Echo On/Off
- ◆ RS485 Full / Half Duplex support
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 460kbps, optional up to 10 Mbps
- ◆ Onboard switch selectable 120 ohm terminators (user provided terminators are optional)
- ◆ 15 kv ESD HDM Surge Protection
- ◆ Plug & Play compatible
- ◆ PCI Bus 2.2 compatible (+5 Volt)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Connectors: DB9M (2x DB-9 Male)
- ◆ Package contains: Documentation in english, software drivers



MP2-PCIe-422/485

PCIe & PCI Express Bus

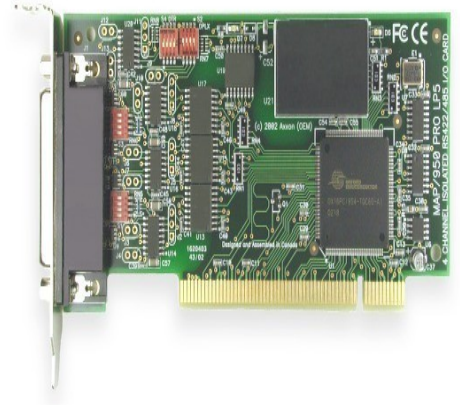
- ◆ 2 Serial Ports (RS-422/485)
- ◆ PCIe & PCI Express Bus compatible
- ◆ 128 Byte transmit and receive buffers per port
- ◆ TX+, TX-, R+, RX-, RTS+, RTS-, CTS+, CTS-
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ Local *Echo suppression* by setting an external jumper (On/Off)
- ◆ Onboard switch selectable 120 ohm terminators
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921Kbps (optional up to 10 Mbps)
- ◆ Plug & Play compatible
- ◆ 25 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Multiple boards may be installed for additional serial ports
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit) PnP
 - SCO Unix (v5.0.4 or higher)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Standard Profile mounting.
- ◆ Connectors: 2x DB9M
- ◆ Package contains: Documentation in english, software drivers



MP4-PCI-422/485-LP

PCI-Bus

- ◆ 4 Serial Ports (RS-422/485)
- ◆ 128 Byte transmit and receive buffers per port
- ◆ Isolated signals TX+, TX-, RX+, RX- and Ground
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ *Echo suppression* by setting an external jumper (On/Off)
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed up to 460kbps
- ◆ Plug & Play compatible
- ◆ 25 kv ESD Surge Protection and 3KV Isolated DC-DC Converter
- ◆ PCI Bus 2.2 compatible (+5 Volt)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Package contains: Documentation in english, software drivers, [Cable](#) with DB-9 (DB25M to 2xDB9 Male)



Serial Cards RS-232 Isolated

MP1-PCIe-422/485-ISO

PCIe & PCI Express Bus

- ◆ 1 Serial Port (RS-422/485)
- ◆ PCIe & PCI Express Bus compatible
- ◆ 128 Byte transmit and receive buffers per port
- ◆ TX+, TX-, R+, RX-, RTS+, RTS-, CTS+, CTS+
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS485 Auto-gating of the transmitter via hardware.
- ◆ Local Echo suppression by setting an external jumper (On/Off)
- ◆ Onboard switch selectable 120 ohm terminators
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921Kbps
- ◆ Slew Rate controlled 10 Mbaud RS422/RS485 Transceiver
- ◆ Maximum Baud Rate 10 Megabaud (requires clock change)
- ◆ Failsafe biasing
- ◆ Plug & Play compatible
- ◆ 25 kv ESD Surge Protection
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Multiple boards may be installed for additional serial ports
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit) PnP (please call to confirm)
 - FreeBSD PnP (please call to confirm)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Supports Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: 1x DB9-M (Male)
- ◆ Package contains: Documentation in english, software drivers, Standard and Low Height Brackets



MP1-PCI-422/485-ISO

PCI-Bus

- ◆ 1xRS-422/485 port
- ◆ 128 Byte transmit and receive buffers per port
- ◆ TX+, TX-, R+ and RX-
- ◆ 2500 Volt Galvanically Isolated signals TX+, TX-, RX+, RX- and Ground
- ◆ 422 and 485 switchable
- ◆ RS485 Full / Half Duplex support
- ◆ RS-485 *Auto-Switch* (Auto-Gating) for automatically switching between Master/Slave mode
- ◆ Echo suppression by setting an external jumper (On/Off).
- ◆ IRQ Sharing, all ports share one interrupt line !
- ◆ Transmission speed to 921kbps, optional up to 10 Mbps
- ◆ Onboard switch selectable 120 ohm terminators (user provided terminators are optional)
- ◆ Failsafe biasing
- ◆ 25 kv ESD HDM Surge Protection
- ◆ Plug & Play Kompatibel
- ◆ PCI Bus 2.2 Kompatibel (+5 Volt)
- ◆ CE and FCC Class B
- ◆ Power Management 1.0
- ◆ Multiple boards may be installed for additional serial ports
- ◆ OS Support:
 - Linux (32 Bit, 64 Bit) PnP
 - FreeBSD (v9 PnP, else please call)
 - Windows 7 (32 Bit, 64 Bit), Windows 2008 Server (32 Bit, 64 Bit), Windows Vista (32 Bit, 64 Bit), Windows XP (32 Bit, 64 Bit), Windows 2000, Windows NT, Windows 2000 Server, Windows 2003 Server (32 Bit, 64 Bit), Embedded XP, Windows 95/98/Me.
- ◆ Supports Standard and Low Profile mounting (121,79 mm x 79,2 mm). Standard and Low Height Brackets included.
- ◆ Connectors: 1x DB9-M (Male)
- ◆ Package contains: Documentation in english, software drivers, Standard and Low Height Brackets



SCOM2-PCI-232-ISO

PCI-Bus

- ◆ 2 Serial Ports (RS-232)
- ◆ 16 bytes buffer (FIFO) per port and direction
- ◆ Up to 115,2 Kbps (Normal Speed Mode) or 460 Kbps (High Speed Mode)
- ◆ PCI Bus 2.2 Compatible (+5 Volt)
- ◆ CE and FCC Class B
- ◆ 2500 Volt Optical Isolation
- ◆ Up to four cards in one PC
- ◆ OS Support:
 - Linux
 - OS/2
 - Windows 95/98/Me, Windows NT, Windows 2000, Windows XP, Windows Vista, Windows 7.
- ◆ Connectors: DB-9 (Male)
- ◆ Package contains: Documentation in english, software drivers



SCOM4-PCI-232-ISO

PCI-Bus

- ◆ 4 Serial Ports (RS-232)
- ◆ 16 bytes buffer (FIFO) per port and direction
- ◆ Up to 115,2 Kbps (Normal Speed Mode) or 460 Kbps (High Speed Mode)
- ◆ PCI Bus 2.2 Compatible (+5 Volt)
- ◆ CE and FCC Class B
- ◆ 2500 Volt Optical Isolation
- ◆ Up to four cards in one PC
- ◆ Supports Windows 95/98/Me, Windows NT, Windows 2000, Windows XP, Windows Vista, Linux, OS/2
- ◆ OS Support:
 - Linux
 - OS/2
 - Windows 95/98/Me, Windows NT, Windows 2000, Windows XP, Windows Vista, Windows 7.
- ◆ Connectors: Cable with DB-9 Male (optional DB-25 Male)
- ◆ Package contains: Documentation in english, software drivers



Computer Expansion Bus and Slots

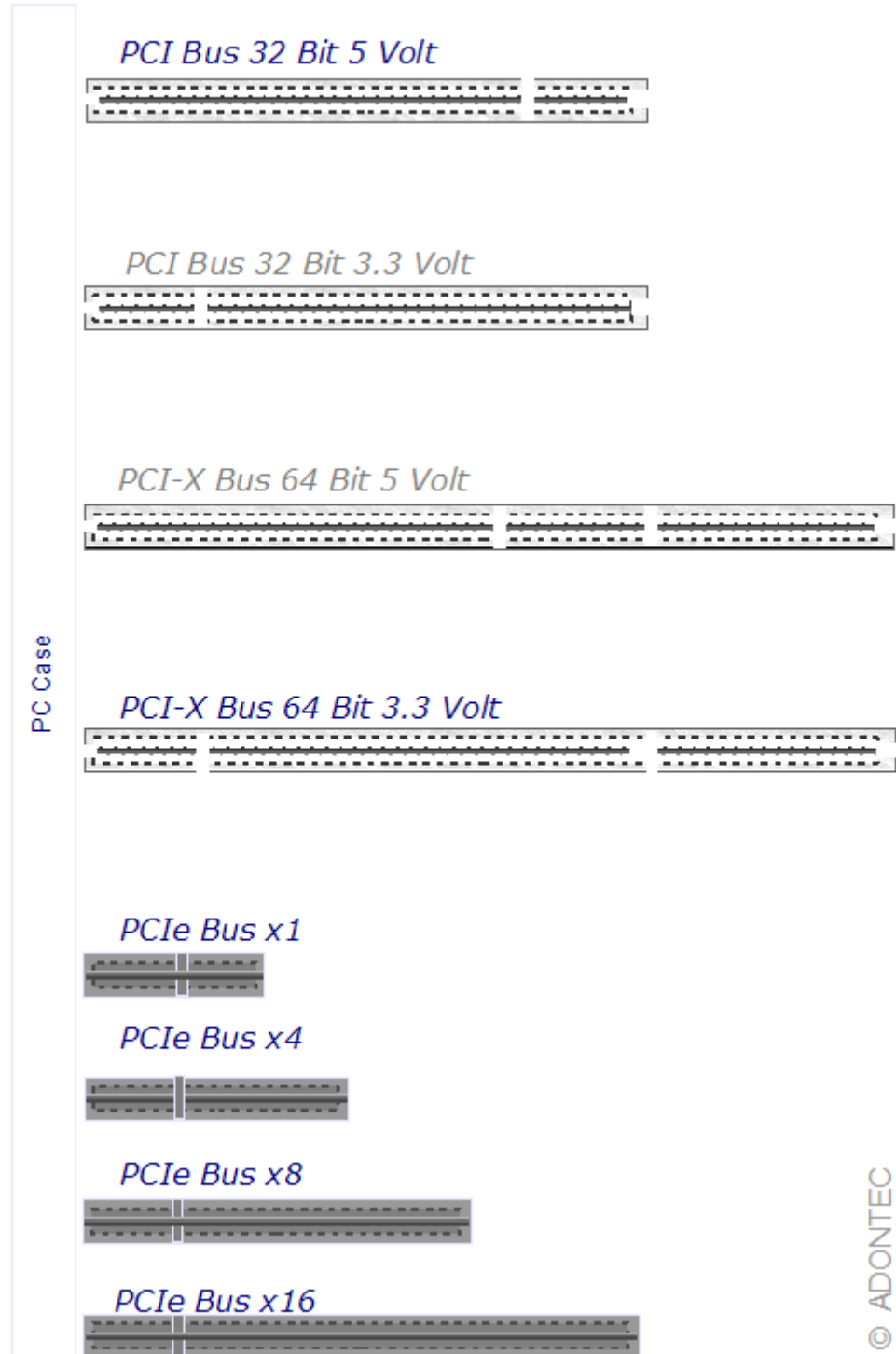
Information to PCI, PCI-X and PCIe & PCI Express Slots

In the past years several additions and extensions to the standard PCI bus were developed. The PCI-X computer bus and expansion card standard was developed to increase the speed and is mainly used in server systems. Lately the PCIe & PCI Express was developed which is a serial bus system and also increases the speed. Modern Computer Systems may also offer slots for expansion cards supporting PCI, PCI-X and/or PCIe standard. None of them is compatible with the other.

PCIe slots look like the standard PCI slot and are usually shorter.

The following information is provided to shorten the path to the decision for the right expansion cards.

Today computer may ship with one or more of the following expansion slots:



- The "old" *PCI Bus 32 Bit with 5 Volt*.
- The *PCI-X Bus 64 Bit with 3.3 Volt* mainly found on server mainboards.
- The *PCIe & PCI Express Bus* is shipped with modern mainboards. The appendix x1, x4, x8 or x16 shows the number of *Lanes* and is a speed indicator (250 MByte/s per Lane). Expansion cards with x1 fit into x4, x8 or x16 slots. The slot x16 is mainly used by video and graphic cards.

With blue color are more widely used. Please watch the position of the the notch(es) for proper orientation of the card.

Currently 32bit,5 Volt PCI slots are most common on desktop mainboard. 64bit, 3.3 Volt are common on server mainboard. PCIe slots (introduced in 2004) are becoming common on desktop and server mainboards.

All information provided herein without any warranty. Please consult the mainboards manual for more information.

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info@adontec.com

Registered HRB 511032 (Mannheim)

Established 1993

PRICELIST

Complete pricelist at
<http://www.rs-232.de/pricelist.htm>

SHIPPING

Most products are stock items and will be shipped within 24 hours. Both, Express and Economy shipment are available.

* All prices exclude VAT (Value Added Tax/Sales tax) and possible importation duties.

WARRANTY

All products we offer have two year warranty. Some of our suppliers may offer a longer warranty period which we gladly support.

Errors and omissions excepted. Subject to modifications and amendments.

Terms of Delivery: www.adontec/terms_e.htm

Actual price list and more information available at :
www.rs-232.de, www.adontec.com

ADONTEC Computer Systems GmbH
Hoelderlinstr. 32
Maulbronn, 75433
Germany

Please fill in and email it to sales@adontec.com or fax it to +49 7043 900021

Qty	Description	Unit Price	Amount EUR
1	Shipping		
		Sub Total	
		VAT 19% *	
		Total	

* All prices exclude VAT (Value Added Tax/Sales tax) and possible importation duties.

If You reside in the EU (European Union), please provide Your VAT ID number. If You do not own/provide a VAT ID number then we have to charge 19% VAT.

VAT ID No: _____ (e.g. NL123456789)

Shipping Address

Name _____
 Company _____
 Street _____
 City _____ State _____
 Zip Code _____ Country _____
 Phone _____ Fax _____
 eMail _____

Billing Information

Bank Transfer : (we will email a pro forma invoice and await the payment)
 Credit Card*: VISA MasterCard American Express
 PayPal *:

*we will email a paylink and await the payment.

NOTES:

I have read and I agree to the Terms of Delivery (www.rs-232.de/terms_e.htm).

 Date, Name, Signature