

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div data-bbox="469 268 799 351"></div> <div data-bbox="441 429 823 460"><b>PCIE USB 3.0 Expansion Card</b></div> <div data-bbox="433 680 838 722">FS-U4-Pro FS-U3C2-Pro<br/>Site:www.febsmart.com Email:support@febsmart.com</div> <div data-bbox="624 746 640 765">1</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <div data-bbox="882 210 1284 228"><b>FS-U4-Pro PCIE to 4-Ports USB 3.0 Expansion Card.</b></div> <div data-bbox="997 241 1157 476"></div> <div data-bbox="1077 487 1300 506"><b>FS-U3C2-Pro PCIE to 5-Ports USB 3.0 Expansion Card.</b></div> <div data-bbox="1017 519 1164 746"></div> <div data-bbox="1077 746 1093 765">2</div>                                                                                                                                                                                              | <div data-bbox="1331 210 1717 228"><b>FS-U4-Pro Description:</b></div> <div data-bbox="1331 241 1769 545"><p><b>FS-U4-Pro</b> is a PCI Express to 4-Ports 5Gbps USB 3.0 expansion card.The 4X added-on USB-A ports will light up 4X USB 3.0 devices.These 4X USB-A ports will share 5Gb-ps total bandwidth.Built in FebSmart Self-Powered Technology,specially designed for high power consumption USB 3.0 devices such as industrial cameras,VR-systems,USB 3.0 HDD/SSD enclosures and VR-sensors.It also works with normal USB 2.0 and USB 3.0 devices such as USB mice, USB headphones,USB flash drives,USB speakers,USB keyboards,USB universal docking stations,USB hubs, USB KVM switches etc.Based on RENESAS NEC 5Gbps USB 3.0 host controller,it will be compatible with most Windows and Linux systems.PCIE X1 design will work on PCIE X1,X2,X4,X8,X16 slot.Mounted full size bracket on the PCIE USB card,will work on standard size PCs only,do not support slim PCs.</p><p><b>System Requirements:</b><br/>1.Plug and Play on Windows 11,10,8.1,8 (32/64bit) and Windows Server 2012,2012R2,2016,2019,2022 (32/64bit). Need to install driver on Windows XP,Vista,7(32/64bit) and Windows Server 2003,2003R2,2008,2008R2 (32/64bit).<br/>2.Driver free on most main stream Linux systems.</p><p><b>Package List:</b><br/>1X FS-U4-Pro,1X User manual,1X Mount-screw</p></div> <div data-bbox="1534 746 1550 765">3</div> | <div data-bbox="1785 210 2170 228"><b>FS-U3C2-Pro Description:</b></div> <div data-bbox="1785 241 2222 581"><p><b>FS-U3C2-Pro</b> is a PCI Express to 5-Ports 5Gbps USB 3.0 expansion card.Provide 3X USB-A ports and 2X USB-C ports on user's PC.The 3X USB-A ports and the 2X USB-C ports will light up 3X USB-A devies and 2X USB-C devices. These 5X USB ports will share 5Gbps total bandwidth.Built in FebSmart Self-Powered Technology,specially designed for high power consumption USB 3.0 devices such as USB 3.0 HDD/SSD enclosures,industrial cameras,VR-systems, and VR-sensors.It also works with normal USB 2.0 and USB 3.0 devices such as USB headphones,USB flash drives,USB speakers,USB mice,USB keyboards,USB hubs, universal docking stations,USB KVM switches etc.Based on RENESAS NEC 5Gbps USB 3.0 host controller and RENE-SAS NEC USB 3.0 hub controller,it will be compatible with most Windows and Linux systems.PCIE X1 design will work on PCIE X1,X2,X4,X8,X16 slot.Mounted full size bracket on the USB 3.0 card,will work on standard size PCs only,do not support slim PCs.</p><p><b>System Requirements:</b><br/>1.Plug and Play on Windows 11,10,8.1,8 (32/64bit) and Windows Server 2012,2012R2,2016,2019,2022 (32/64bit). Need to install driver on Windows XP,Vista,7 (32/64bit) and Windows Server 2003,2003R2,2008,2008R2 (32/64bit).<br/>2.Driver free on most main stream Linux systems.</p><p><b>Package List:</b><br/>1X FS-U3C2-Pro,1X User manual,1X Mount-screw</p></div> <div data-bbox="1988 746 2003 765">4</div> | <div data-bbox="2401 210 2783 247"><p>2.Find this added on USB card hardware in Windows system "Device Manager" and check if system read it.</p></div> <div data-bbox="2425 260 2787 718"></div> <div data-bbox="2596 746 2612 765">9</div>                                                  | <div data-bbox="2854 210 3292 263"><p><b>A,Means</b> PCs find hardware correctly,need to install driver.<br/><b>B,Means</b> USB card hardware was detected correctly and system loaded driver already,users can use it now.<br/><b>C,Means</b> PCs can not find the added on USB card and not load driver for USB card.Users need to re-plug USB card on motherboard PCIE slot,and better change to an active PCIE slot for USB card.</p></div> <div data-bbox="2854 362 3240 381"><b>Install Driver on Desktop PCs:</b></div> <div data-bbox="2854 393 3292 694"><p>1.FS-U4-Pro and FS-U3C2-Pro are based on Renesas NEC host controller.These models share the same installation steps on Windows 11,10,8.1,8,7,XP (32/64bit) and Windows Server 2003,2003R2,2008,2008R2,2012,2012R2,2016, 2019,2022 (32/64bit) systems.<br/>2.Windows 11,10,8.1,8 (32/64bit) and Windows server 2012, 2012R2,2016,2019,2022 will load driver automatically.If it can not read on users system or read "Unknown Device" in Windows "Device Manager" with "Error Code 10",users better change to another PCIE slot for this USB card.<br/>3.Windows XP,Vista,7 (32/64bit) and Windows server 2003,2003R2,2008,2008R2 (32/64bit) system will read as "Unknown Device" in "Device Manager",users need to install driver,afterwards it will work.<br/>4.FS-U4-Pro and FS-U3C2-Pro support plug and play on most main stream Linux kernel systems.</p></div> <div data-bbox="3057 746 3073 765">10</div> | <div data-bbox="3308 210 3665 263"><p><b>Step1</b>,Users can download driver from our site <a href="http://www.febsmart.com">www.febsmart.com</a>, then release the ZIP file,find the "Setup.exe".</p><p><b>Step2</b>,Complete driver installation.</p><p>1.Double right-click "Setup.exe" and waiting files ready to install.</p></div> <div data-bbox="3482 362 3566 468"></div> <div data-bbox="3308 481 3411 500"><p>2.Click "Next".</p></div> <div data-bbox="3403 528 3642 715"></div> <div data-bbox="3514 746 3530 765">11</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <div data-bbox="425 794 811 813"><b>FebSmart Self-Powered Technology:</b></div> <div data-bbox="425 820 854 1268"><p>FebSmart Self-Powered Technology is a new solution to add more power supply on USB expansion cards.The old version PCI Express USB cards need to plug a power cable from desktop computers power supply unit.Some times even users put power cable on computer power supply unit,it still drops speed due to power limitation. PCI Express slot can provide 75W max almost 12V/6.25A power in total for PCIE devices.FebSmart add 1X voltage transformer chip on each USB 3.0 port to transfer 12V to 5V and provide each port 3A max power supply.In other words,each USB port will get 5V/3A 15W for connected USB 3.0 devices.Most of high power consumption devices just need around 4~8W which means this USB 3.0 expansion card can light up high power consumption devices simultaneously in full speed.To protect connected USB devices and users data,FebSmart built in safety electric circuit protector,voltage stable inductance,voltage stable capacitors on each USB port.Users do not worry data loss or burn USB devices anymore.Add super speed,safe and easy install USB card on desktop PCs.</p></div> <div data-bbox="624 1326 640 1345">5</div> | <div data-bbox="882 794 1284 813"><b>Add USB Card on Desktop PCs:</b></div> <div data-bbox="882 820 1244 879"><p><b>Step1</b>,Switch OFF PC,unplug computer from main socket,unplug power cord and other connected peripherals.Remove the cover from computer case.</p></div> <div data-bbox="910 898 1260 1199"></div> <div data-bbox="882 1234 1280 1274"><p><b>Step2</b>,Find correct PCI Express slot from motherboard, insert USB 3.0 card into an empty PCIE slot.</p></div> <div data-bbox="1077 1326 1093 1345">6</div> | <div data-bbox="1383 794 1721 1312"></div> <div data-bbox="1534 1326 1550 1345">7</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <div data-bbox="1785 788 2206 831"><p><b>Step3</b>,Reattach the computer cover,and put back removed peripherals,power on desktop computer.</p></div> <div data-bbox="1944 889 2063 1158"></div> <div data-bbox="1912 1139 2063 1158"><p>Added on USB Ports</p></div> <div data-bbox="1785 1202 2170 1221"><b>Check If USB Card Was Detected on PCs:</b></div> <div data-bbox="1785 1227 2210 1306"><p>1.Users can plug universal USB devices such as USB flash drive,keyboard,mouse etc.Check if computer can find these devices.If system read USB devices,means no need to install driver,can use these added on USB 3.0 ports now.</p></div> <div data-bbox="1988 1326 2003 1345">8</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <div data-bbox="2401 804 2632 823"><p>3.Accept the license,click "Next".</p></div> <div data-bbox="2492 857 2735 1047"></div> <div data-bbox="2401 1063 2512 1081"><p>4.Click "install".</p></div> <div data-bbox="2492 1113 2735 1301"></div> <div data-bbox="2596 1326 2612 1345">12</div> | <div data-bbox="2854 804 3077 823"><p>5.Waiting for driver installation.</p></div> <div data-bbox="2946 857 3188 1047"></div> <div data-bbox="2854 1063 3220 1081"><p>6.Click "Finish",and start using the new USB ports.</p></div> <div data-bbox="2946 1113 3188 1301"></div> <div data-bbox="3057 1326 3073 1345">13</div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <div data-bbox="3308 794 3693 813"><b>User FAQs:</b></div> <div data-bbox="3308 820 3737 1312"><p>1.How many USB 3.0 devices will be lighted simultaneously? Actually with FebSmart Self-Powered technology,users can light up high power consumption devices in all added-on USB ports.<br/>2.Why do USB devices deliver slower speed than USB 3.0 design speed? The USB 3.0 design speed 5Gbps/625MB/S is a theoretical speed, normal users' devices can not reach the test condition,so the real connection speed will be less than 625MB/S.<br/>3.Why are USB 3.0 HDD/SSD enclosures running low speed? When PC's using NVME/SATA 3.0 SSD disks,the USB 3.0 HDD/SSD enclosure's test speed will be affected by the inside HDD or SSD.SATA 3.0 SSDs will get over 300MB/S,SATA 3.0 HDDs will get about 100~200MB/S.When using SATA 2.0 HDDs,speed will be less than 100MB/S.<br/>4.Why do USB flash drives get a very low speed? Check if the flash drive designed on USB 2.0 or USB 3.0.The USB 2.0 flash drives will get a USB 2.0 speed.The USB 3.0 flash drives had one read speed and one write speed when it was produced.Even though the manufacture claim it is USB 3.0 flash drive,they may only design the read speed on USB 3.0 but the write speed is much slower.The real test speed will be also affected by user PC's disk type when copy in files. The PC with SSDs test speed will be faster than the PC with HDDs.<br/>5.Do these USB ports still support external USB hubs? Yes,all the added-on ports support multiple ports USB hubs.<br/>6.PCs report error code 10, how to fix this? Error Code 10 means this PCIE slot is not active or no bandwidth.1.Some PCIE slot was disabled in BIOS,users can enable PCIE slot in BIOS. 2.Some PCIE slot shared bandwidth with other slot,once that slot was occupied,this PCIE slot will no bandwidth.In this case,change to another PCIE slot.3.Some motherboard manufacture defined PCIE slot function, in this case,users better call motherboard manufacture to get more help.<br/>7.Where can I get tech support? Contact us:support@febsmart.com Driver download:www.febsmart.com</p></div> <div data-bbox="3514 1326 3530 1345">14</div> |

