**=========================== USB Port3 ===========================**

**Connection Status : 0x01 (Device is connected)**

**Port Chain : 2-3**

**Properties : 0x01**

**IsUserConnectable : yes**

**PortIsDebugCapable : no**

**PortHasMultiCompanions : no**

**PortConnectorIsTypeC : no**

**ConnectionIndex : 3**

**CompanionIndex : 0**

**CompanionHubSymLnk : USB#ROOT\_HUB30#5&1d9cd8c9&0&0#{f18a0e88-c30c-11d0-8815-00a0c906bed8}**

**CompanionPortNumber : 1**

**======================== USB Device ========================**

**+++++++++++++++++ Device Information ++++++++++++++++++**

**Device Description : USB Serial Converter**

**Device Path : \\?\usb#vid\_0403&pid\_6001#fte3upe2#{a5dcbf10-6530-11d2-901f-00c04fb951ed}**

**Device ID : USB\VID\_0403&PID\_6001\FTE3UPE2**

**Hardware IDs : USB\VID\_0403&PID\_6001&REV\_0600 USB\VID\_0403&PID\_6001**

**Driver KeyName : {36fc9e60-c465-11cf-8056-444553540000}\0016 (GUID\_DEVCLASS\_USB)**

**Driver : \SystemRoot\system32\drivers\ftdibus.sys (Version: 2.12.28.1 Date: 2017-09-19)**

**Driver Inf : C:\WINDOWS\inf\oem12.inf**

**Legacy BusType : PNPBus**

**Class : USB**

**Class GUID : {36fc9e60-c465-11cf-8056-444553540000} (GUID\_DEVCLASS\_USB)**

**Interface GUID : {a5dcbf10-6530-11d2-901f-00c04fb951ed} (GUID\_DEVINTERFACE\_USB\_DEVICE)**

**Service : FTDIBUS**

**Enumerator : USB**

**Location Info : Port\_#0003.Hub\_#0003**

**Location IDs : PCIROOT(0)#PCI(1C03)#PCI(0000)#USBROOT(0)#USB(3), ACPI(\_SB\_)#ACPI(PCI0)#ACPI(RP04)#ACPI(PXSX)#USBROOT(0)#USB(3)**

**Container ID : {6f624fca-a2ea-56d8-a451-a6b9c5b088dd}**

**Manufacturer Info : FTDI**

**Capabilities : 0x94 (Removable, UniqueID, SurpriseRemovalOK)**

**Status : 0x0180600A (DN\_DRIVER\_LOADED, DN\_STARTED, DN\_DISABLEABLE, DN\_REMOVABLE, DN\_NT\_ENUMERATOR, DN\_NT\_DRIVER)**

**Problem Code : 0**

**Address : 3**

**Power State : D0 (supported: D0, D2, D3, wake from D0, wake from D2)**

**Child Device 1 : USB Serial Port (COM7)**

**DevicePath : \\?\ftdibus#vid\_0403+pid\_6001+fte3upe2a#0000#{86e0d1e0-8089-11d0-9ce4-08003e301f73}**

**KernelName : \Device\000000e9**

**Device ID : FTDIBUS\VID\_0403+PID\_6001+FTE3UPE2A\0000**

**Class : Ports**

**COM-Port : COM7 (\Device\VCP0)**

**+++++++++++++++++ Registry USB Flags +++++++++++++++++**

**HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\usbflags\040360010600**

**osvc : REG\_BINARY 00 00**

**SkipContainerIdQuery : REG\_BINARY 01 00 00 00**

**---------------- Connection Information ---------------**

**Connection Index : 0x03 (3)**

**Connection Status : 0x01 (DeviceConnected)**

**Current Config Value : 0x01**

**Device Address : 0x01 (1)**

**Is Hub : 0x00 (no)**

**Device Bus Speed : 0x01 (Full-Speed)**

**Number Of Open Pipes : 0x02 (2 pipes to data endpoints)**

**Pipe[0] : EndpointID=1 Direction=IN ScheduleOffset=0 Type=Bulk**

**Pipe[1] : EndpointID=2 Direction=OUT ScheduleOffset=0 Type=Bulk**

**Data (HexDump) : 03 00 00 00 12 01 00 02 00 00 00 08 03 04 01 60 ...............`**

**00 06 01 02 03 01 01 01 00 01 00 02 00 00 00 01 ................**

**00 00 00 07 05 81 02 40 00 00 00 00 00 00 07 05 .......@........**

**02 02 40 00 00 00 00 00 00 ..@......**

**--------------- Connection Information V2 -------------**

**Connection Index : 0x03 (3)**

**Length : 0x10 (16 bytes)**

**SupportedUsbProtocols : 0x03**

**Usb110 : 1 (yes)**

**Usb200 : 1 (yes)**

**Usb300 : 0 (no)**

**ReservedMBZ : 0x00**

**Flags : 0x00**

**DevIsOpAtSsOrHigher : 0 (Is not operating at SuperSpeed or higher)**

**DevIsSsCapOrHigher : 0 (Is not SuperSpeed capable or higher)**

**DevIsOpAtSsPlusOrHigher : 0 (Is not operating at SuperSpeedPlus or higher)**

**DevIsSsPlusCapOrHigher : 0 (Is not SuperSpeedPlus capable or higher)**

**ReservedMBZ : 0x00**

**Data (HexDump) : 03 00 00 00 10 00 00 00 03 00 00 00 00 00 00 00 ................**

**---------------------- Device Descriptor ----------------------**

**bLength : 0x12 (18 bytes)**

**bDescriptorType : 0x01 (Device Descriptor)**

**bcdUSB : 0x200 (USB Version 2.00)**

**bDeviceClass : 0x00 (defined by the interface descriptors)**

**bDeviceSubClass : 0x00**

**bDeviceProtocol : 0x00**

**bMaxPacketSize0 : 0x08 (8 bytes)**

**idVendor : 0x0403 (Future Technology Devices International Limited)**

**idProduct : 0x6001**

**bcdDevice : 0x0600**

**iManufacturer : 0x01 (String Descriptor 1)**

**Language 0x0409 : "FTDI"**

**iProduct : 0x02 (String Descriptor 2)**

**Language 0x0409 : "TTL232R-3V3"**

**iSerialNumber : 0x03 (String Descriptor 3)**

**Language 0x0409 : "FTE3UPE2"**

**bNumConfigurations : 0x01 (1 Configuration)**

**Data (HexDump) : 12 01 00 02 00 00 00 08 03 04 01 60 00 06 01 02 ...........`....**

**03 01 ..**

**------------------ Configuration Descriptor -------------------**

**bLength : 0x09 (9 bytes)**

**bDescriptorType : 0x02 (Configuration Descriptor)**

**wTotalLength : 0x0020 (32 bytes)**

**bNumInterfaces : 0x01 (1 Interface)**

**bConfigurationValue : 0x01 (Configuration 1)**

**iConfiguration : 0x00 (No String Descriptor)**

**bmAttributes : 0x80**

**D7: Reserved, set 1 : 0x01**

**D6: Self Powered : 0x00 (no)**

**D5: Remote Wakeup : 0x00 (no)**

**D4..0: Reserved, set 0 : 0x00**

**MaxPower : 0x2D (90 mA)**

**Data (HexDump) : 09 02 20 00 01 01 00 80 2D 09 04 00 00 02 FF FF .. .....-.......**

**FF 02 07 05 81 02 40 00 00 07 05 02 02 40 00 00 ......@......@..**

**---------------- Interface Descriptor -----------------**

**bLength : 0x09 (9 bytes)**

**bDescriptorType : 0x04 (Interface Descriptor)**

**bInterfaceNumber : 0x00**

**bAlternateSetting : 0x00**

**bNumEndpoints : 0x02 (2 Endpoints)**

**bInterfaceClass : 0xFF (Vendor Specific)**

**bInterfaceSubClass : 0xFF**

**bInterfaceProtocol : 0xFF**

**iInterface : 0x02 (String Descriptor 2)**

**Language 0x0409 : "TTL232R-3V3"**

**Data (HexDump) : 09 04 00 00 02 FF FF FF 02 .........**

**----------------- Endpoint Descriptor -----------------**

**bLength : 0x07 (7 bytes)**

**bDescriptorType : 0x05 (Endpoint Descriptor)**

**bEndpointAddress : 0x81 (Direction=IN EndpointID=1)**

**bmAttributes : 0x02 (TransferType=Bulk)**

**wMaxPacketSize : 0x0040 (64 bytes)**

**bInterval : 0x00 (ignored)**

**Data (HexDump) : 07 05 81 02 40 00 00 ....@..**

**----------------- Endpoint Descriptor -----------------**

**bLength : 0x07 (7 bytes)**

**bDescriptorType : 0x05 (Endpoint Descriptor)**

**bEndpointAddress : 0x02 (Direction=OUT EndpointID=2)**

**bmAttributes : 0x02 (TransferType=Bulk)**

**wMaxPacketSize : 0x0040 (64 bytes)**

**bInterval : 0x00 (ignored)**

**Data (HexDump) : 07 05 02 02 40 00 00 ....@..**

**----------------- Device Qualifier Descriptor -----------------**

**Error : ERROR\_GEN\_FAILURE**

**-------------------- String Descriptors -------------------**

**------ String Descriptor 0 ------**

**bLength : 0x04 (4 bytes)**

**bDescriptorType : 0x03 (String Descriptor)**

**Language ID[0] : 0x0409 (English - United States)**

**Data (HexDump) : 04 03 09 04 ....**

**------ String Descriptor 1 ------**

**bLength : 0x0A (10 bytes)**

**bDescriptorType : 0x03 (String Descriptor)**

**Language 0x0409 : "FTDI"**

**Data (HexDump) : 0A 03 46 00 54 00 44 00 49 00 ..F.T.D.I.**

**------ String Descriptor 2 ------**

**bLength : 0x18 (24 bytes)**

**bDescriptorType : 0x03 (String Descriptor)**

**Language 0x0409 : "TTL232R-3V3"**

**Data (HexDump) : 18 03 54 00 54 00 4C 00 32 00 33 00 32 00 52 00 ..T.T.L.2.3.2.R.**

**2D 00 33 00 56 00 33 00 -.3.V.3.**

**------ String Descriptor 3 ------**

**bLength : 0x12 (18 bytes)**

**bDescriptorType : 0x03 (String Descriptor)**

**Language 0x0409 : "FTE3UPE2"**

**Data (HexDump) : 12 03 46 00 54 00 45 00 33 00 55 00 50 00 45 00 ..F.T.E.3.U.P.E.**

**32 00 2.**