Classification	☐ tDS/tGW/tSH ☐ PETL/tET/tPET/ET-2200 ☐ DS/PDS/PPDS ☐ tM-752N ■ I/O Card ☐ VXC Card ☐ TouchPAD/HMIWorks ☐ VxComm				
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Q: How to porting the PCI-P16R16 or PISO-P16R16 classic driver to UniDAQ?

A:

■Function mapping summary

PCI-P16R16 Driver/SDK	PISO-P16R16 Driver/SDK	UniDAQ Driver/SDK
Windows 2000/XP/7/10 32-bit	Windows 2000/XP/7/10 32-bit	Windows2000/XP 32-bit Windows 7/10 32/64-bit
WORD PCI_DriverInit(WORD *wTotalBoards)	WORD PISODIO_DriverInit(void)	WORD Ixud_DriverInit(WORD *wTotalBoards);
	WORD PISODIO_SearchCard(WORD *wBoards, DWORD dwPIOCardID)	
WORD PCI_GetConfigAddressSpace(WORD wBoardNo, WORD *TypeID, WORD *wAddr0, WORD *wAddr1, WORD *wAddr2, WORD *wAddr3, WORD *wAddr4, WORD *wAddr5)	WORD PISODIO_GetConfigAddressSpace(WORD wBoardNo, DWORD *wAddr, WORD *wIrqNo, WORD *wSubVendor, WORD *wSubDevice, WORD *wSubAux, WORD *wSlotBus,WORD *wSlotDevice)	WORD Ixud_GetCardInfo(WORD wBoardNo, PIXUD_DEVICE_INFO sDevInfo,PIXUD_CARD_INFO sCardInfo, char *szModelName);
void PCI_DO16(DWORD BaseAddr, DWORD OutData)	void PISODIO_OutputByte(DWORD wPortAddr, WORD bOutputValue)	WORD Ixud_WriteDO(WORD wBoardNo,WORD wPortNo,DWORD dwDOVal);
DWORD PCI_DI16(DWORD BaseAddr)	WORD PISODIO_InputByte(DWORD wPortAddr)	WORD Ixud_ReadDI(WORD BoardNo,WORD wPortNo,DWORD *dwDIVal);
void PCI_DriverClose(void);	void PISODIO_DriverClose(void);	WORD Ixud_DriverClose(void);

■Digital I/O Control

PCI-P16R16 Driver/SDK	PISO-P16R16 Driver/SDK	UniDAQ Driver/SDK

//Output 0x1234
PCI_DO16(wAddr2, 0x1234)
	//Output 0x1234
	PISODIO_OutputByte(wAddr+0XC0,0x34)
	PISODIO_OutputByte(wAddr+0XC4,0x12)
		//Output 0x1234 for PCI-P16R16
		Ixud_WriteDO(0,0,0x1234);
		
		//Output 0x1234 for PISO-P16R6
		Ixud_WriteDO(0,0,0x34);
		Ixud_WriteDO(0,1,0x12);

//Input Port Value
InVal = PCI_DI16(wAddr2)
	//Input Port Value
	InValL=PISODIO_InputByte(wAddr+0xC0)
	InValH=PISODIO_InputByte(wAddr+0xC4)
	InVal = (InValH<<8)|(InValL)//InValH*256+InValL
		//Input Port Value for PCI-P16R16
		Ixud_ReadDI(0,0,&InVal);
		//Input Port Value for PISO-P16R16
		Ixud_ReadDI(0,0,&InValL);
		Ixud_ReadDI(0,1,&InValH);
		nVal = (InValH<<8)|(InValL)//InValH*256+InValL

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