

1. APCI-1710

1. List of the APCI-1710 functions implemented in the .NET assembly

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2. List of the APCI-1710 samples implemented

- 1. INC\_CPT
- 2. SSI
- 3. PWM
- 4. DIG I/O

Windows/ADDIDATA\_DOT\_NET\_driver

# APCI-1710

## List of the APCI-1710 functions implemented in the .NET assembly

Function Implemented (Yes / No)

### INIT

i_APCI1710_InitCompiler	Yes
i_APCI1710_CheckAndGetPCISlotNumber	Yes
i_APCI1710_GetBoardType	No
i_APCI1710_SetBoardInformation	Yes
i_APCI1710_GetHardwareInformation	No
i_APCI1710_ConfigureAllModule	No
i_APCI1710_GetFunctionality	No
i_APCI1710_CloseBoardHandle	Yes
i_APCI1710_InitInputFilter	No
i_APCI1710_CheckInputFilter40MHzStatus	No

**INTERRUPT**

i\_APCI1710\_SetBoardIntRoutineWin32 Yes  
i\_APCI1710\_ResetBoardIntRoutine Yes

**INC\_CPT**

i\_APCI1710\_InitCounter Yes  
i\_APCI1710\_CounterAutoTest No  
i\_APCI1710\_ClearCounterValue Yes  
i\_APCI1710\_ClearAllCounterValue Yes  
i\_APCI1710\_SetInputFilter Yes  
i\_APCI1710\_LatchCounter Yes  
i\_APCI1710\_ReadLatchRegisterStatus Yes  
i\_APCI1710\_ReadLatchRegisterValue Yes  
i\_APCI1710\_EnableLatchInterrupt Yes  
i\_APCI1710\_DisableLatchInterrupt Yes  
i\_APCI1710\_Read16BitCounterValue Yes  
i\_APCI1710\_Read32BitCounterValue Yes  
i\_APCI1710\_Write16BitCounterValue Yes  
i\_APCI1710\_Write32BitCounterValue Yes  
i\_APCI1710\_InitIndex No  
i\_APCI1710\_EnableIndex No  
i\_APCI1710\_DisableIndex No  
i\_APCI1710\_GetIndexStatus No  
i\_APCI1710\_SetIndexAndReferenceSource No  
i\_APCI1710\_InitReference No  
i\_APCI1710\_GetReferenceStatus No  
i\_APCI1710\_GetUASStatus No  
i\_APCI1710\_GetCBSStatus No  
i\_APCI1710\_Get16BitCBSStatus No  
i\_APCI1710\_GetUDStatus No  
i\_APCI1710\_GetInterruptUDLatchedStatus No  
i\_APCI1710\_InitExternalStrobe Yes  
i\_APCI1710\_InitCompareLogic Yes  
i\_APCI1710\_EnableCompareLogic Yes  
i\_APCI1710\_DisableCompareLogic Yes  
i\_APCI1710\_SetCompareValue Yes  
i\_APCI1710\_SetComparePort Yes  
i\_APCI1710\_InitCompareWatchdog No  
i\_APCI1710\_GetCompareWatchdogStatus No  
i\_APCI1710\_ClearCompareFIFO Yes  
i\_APCI1710\_ChangeCounterDirection Yes  
i\_APCI1710\_InitFrequencyMeasurement No  
i\_APCI1710\_EnableFrequencyMeasurement No  
i\_APCI1710\_ReadFrequencyMeasurement No

i_APCI1710_DisableFrequencyMeasurement	No
i_APCI1710_SetDigitalChlOn	No
i_APCI1710_SetDigitalChlOff	No

## SSI

i_APCI1710_InitSSI	Yes
i_APCI1710_Read1SSIValue	Yes
i_APCI1710_ReadAllSSIValue	Yes
i_APCI1710_StartSSIAcquisition	Yes
i_APCI1710_GetSSIAcquisitionStatus	Yes
i_APCI1710_GetSSIValue	Yes
i_APCI1710_InitSSIRawData	No
i_APCI1710_Read1SSIRawDataValue	No
i_APCI1710_ReadAllSSIRawDataValue	No
i_APCI1710_GetSSIRawDataValue	No
i_APCI1710_ReadSSI1DigitalInput	No
i_APCI1710_ReadSSIAllDigitalInput	No
i_APCI1710_SetSSIDigitalOutputOn	Yes
i_APCI1710_SetSSIDigitalOutputOff	Yes

## SSI Auto Mode (SI50)

i_APCI1710_StartSSIMode1	No
i_APCI1710_StartSSIMode2	No
i_APCI1710_StopSSIMode12	No
i_APCI1710_ResetSSIMode12	No
i_APCI1710_InitSSIMode1	No
i_APCI1710_InitSSIMode2	No

## TTL

i_APCI1710_InitTTLIO	No
i_APCI1710_InitTTLIODirection	No
i_APCI1710_ReadTTLIOChannelValue	No
i_APCI1710_ReadTTLIOPortValue	No
i_APCI1710_ReadTTLIOAllPortValue	No
i_APCI1710_SetTTLIOChlOn	No
i_APCI1710_SetTTLIOChlOff	No

## DIG I/O

i_APCI1710_InitDigitalIO	Yes
i_APCI1710_ReadDigitalIOChlValue	Yes

i_APCI1710_ReadDigitalIOPortValue	Yes
i_APCI1710_SetDigitalIOMemoryOn	Yes
i_APCI1710_SetDigitalIOMemoryOff	Yes
i_APCI1710_SetDigitalIOChlOn	Yes
i_APCI1710_SetDigitalIOChlOff	Yes
i_APCI1710_SetDigitalIOPortOn	Yes
i_APCI1710_SetDigitalIOPortOff	Yes

## TIMER (82X54)

i_APCI1710_InitTimer	No
i_APCI1710_EnableTimer	No
i_APCI1710_DisableTimer	No
i_APCI1710_ReadTimerValue	No
i_APCI1710_ReadAllTimerValue	No
i_APCI1710_GetTimerOutputLevel	No
i_APCI1710_GetTimerProgressStatus	No
i_APCI1710_WriteTimerValue	No

## CHRONO

i_APCI1710_InitChrono	No
i_APCI1710_EnableChrono	No
i_APCI1710_DisableChrono	No
i_APCI1710_GetChronoProgressStatus	No
i_APCI1710_ReadChronoValue	No
i_APCI1710_ConvertChronoValue	No
i_APCI1710_SetChronoChlOn	No
i_APCI1710_SetChronoChlOff	No
i_APCI1710_ReadChronoChlValue	No
i_APCI1710_ReadChronoPortValue	No

## IMP\_CPT

i_APCI1710_InitPulseEncoder	No
i_APCI1710_EnablePulseEncoder	No
i_APCI1710_DisablePulseEncoder	No
i_APCI1710_ReadPulseEncoderStatus	No
i_APCI1710_ReadPulseEncoderValue	No
i_APCI1710_WritePulseEncoderValue	No

**TOR**

i_APCI1710_InitTorCounter	No
i_APCI1710_EnableTorCounter	No
i_APCI1710_DisableTorCounter	No
i_APCI1710_GetTorCounterInitialisation	No
i_APCI1710_GetTorCounterProgressStatus	No
i_APCI1710_ReadTorCounterValue	No

**PWM**

i_APCI1710_InitPWM	Yes
i_APCI1710_SetNewPWMTiming	Yes
i_APCI1710_EnablePWM	Yes
i_APCI1710_DisablePWM	Yes
i_APCI1710_GetPWMInitialisation	Yes
i_APCI1710_ReadPWM1DigitalInput	Yes
i_APCI1710_ReadPWMAllDigitalInput	Yes
i_APCI1710_EnableDisablePWMDigitalOutputManualSetting	Yes
i_APCI1710_SetPWMDigitalOutputOn	Yes
i_APCI1710_SetPWMDigitalOutputOff	Yes
i_APCI1710_GetPWMStatus	Yes

**ETM**

i_APCI1710_InitETM	No
i_APCI1710_EnableETM	No
i_APCI1710_DisableETM	No
i_APCI1710_GetETMInitialisation	No
i_APCI1710_GetETMProgressStatus	No
i_APCI1710_ReadETMValue	No
i_APCI1710_ConvertETMValue	No
i_APCI1710_ReadETMTotalTime	No

**CDA**

i_APCI1710_SetCDAFunctionality	No
i_APCI1710_InitCDA	No
i_APCI1710_EnableCDA	No
i_APCI1710_DisableCDA	No
i_APCI1710_GetCDAProgressStatus	No
i_APCI1710_ReadCDAMinAndMaxDifference	No
i_APCI1710_ReadCDAArrayFromFIFO	No

**SSI Monitor**

i_APCI1710_InitSSIMonitor	No
i_APCI1710_InitSSIMonitorInterruptData	No
i_APCI1710_InitSSIMonitorInterruptError	No
i_APCI1710_InitSSIMonitorTriggerOutput	No
i_APCI1710_InitSSIMonitorExternalGate	No
i_APCI1710_StartSSIMonitor	No
i_APCI1710_StopSSIMonitor	No
i_APCI1710_ResetSSIMonitorFIFO	No
i_APCI1710_SetSSIMonitorDigitalOutputON	No
i_APCI1710_SetSSIMonitorDigitalOutputOFF	No
i_APCI1710_ReadSSIMonitorMeasuringStatus	No
i_APCI1710_ReadSSIMonitorFIFOStatus	No
i_APCI1710_ReadSSIMonitorAllDigitalInputs	No
i_APCI1710_CheckSSIMonitor40MHzStatus	No
i_APCI1710_ReadSSIMonitorMonoTime	No
i_APCI1710_ReadSSIMonitorDelayTime	No
i_APCI1710_ReadSSIMonitorFrequency	No
i_APCI1710_ReadSSIMonitorData	No
i_APCI1710_ReadSSIMonitorErrorInterruptStatus	No
i_APCI1710_ReadSSIMonitorRestFIFOData	No
i_APCI1710_SetSSIMonitorInterruptFIFOLevel	No
i_APCI1710_InitSSIMonitorDelayTimeCalculation	No
i_APCI1710_InitSSIMonitorInterruptErrorMode2	No
i_APCI1710_ReadSSIMonitorInterruptErrorMode2Value	No

**BISS MASTER**

i_APCI1710_BissInitMaster	No
i_APCI1710_BissInitSlave	No
i_APCI1710_BissWriteCommandRegister	No
i_APCI1710_BissReadCommandRegister	No
i_APCI1710_BissReadStatusRegister	No
i_APCI1710_BissReadValidityRegister	No
i_APCI1710_BissReadSensorReceiveData	No
i_APCI1710_BissInitMultiCycle	No
i_APCI1710_BissReadMultiCycleReceiveData	No
i_APCI1710_BissInitRegisterCommunication	No
i_APCI1710_BissReadRegisterReceiveData	No
i_APCI1710_BissWriteRegisterSendData	No

## BALLISTIC

i_APCI1710_SetBallisticMultiplier1	No
i_APCI1710_SetBallisticMultiplier2	No
i_APCI1710_EnableDisableBallisticModule	No
i_APCI1710_ResetBallisticModule	No
i_APCI1710_ReadBallisticMultiplier1	No
i_APCI1710_ReadBallisticMultiplier2	No
i_APCI1710_ReadBallisticModuleIdentification	No

## List of the APCI-1710 samples implemented

### INC\_CPT

Description	C#	VB
Init, read / write counter	X	X
Init, use of latch interrupt	X	X

### SSI

Description	C#	VB
Init, read SSI	X	X

### PWM

Description	C#	VB
Init / Enable / Get Status		X

### DIG I/O

Description	C#	VB
read inputs status	X	
set outputs	X	