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Version Compare

x SW Version

Code

C#

```
using ec = ComiLib.EtherCAT.SafeNativeMethods;

bool IsVersionMatch(ref string message)
{
    ec.TEcFileVerInfo_SDK sdkInfo = new ec.TEcFileVerInfo_SDK();
    ec.TEcFileVerInfo_WDM driverInfo = new ec.TEcFileVerInfo_WDM();
    ec.TEcFileVerInfo_FW fwInfo = new ec.TEcFileVerInfo_FW();

    bool isVersionMatch = ec.ecNet_GetVerInfo(0, ref sdkInfo, ref driverInfo, ref fwInfo, ref
    errorCode);

    if (isVersionMatch)
    {
        message = "OK";
        return true;
    }

    // Firmware Version
    string ver_Fw = string.Format("{0}.{1}.{2}.{3}", fwInfo.CurVer.MajorVer,
    fwInfo.CurVer.MinorVer, fwInfo.CurVer.BuildNo, fwInfo.CurVer.RevNo);
    string comp_Fw_Drv = string.Empty;
    string comp_Fw_Lib = string.Empty;
    string comp_Drv_Lib = string.Empty;

    //FW - SDK
    switch ((ec.EEcVerCompatResult)sdkInfo.nFwCompResult)
    {
        case ec.EEcVerCompatResult.ecVER_MISMATCH_LOWER: comp_Fw_Lib = "Library version is higher
        than the Firmware"; break;
        case ec.EEcVerCompatResult.ecVER_MISMATCH_HIGHER: comp_Fw_Lib = "Library version is lower
        than the Firmware"; break;
        case ec.EEcVerCompatResult.ecVER_MATCH: comp_Fw_Lib = "OK"; break;
        default: comp_Fw_Lib = "Firmware Version is invalid"; break;
    }

    //FW-WDM
    switch ((ec.EEcVerCompatResult)driverInfo.nFwCompResult)
    {
        case ec.EEcVerCompatResult.ecVER_MISMATCH_LOWER: comp_Fw_Drv = "Driver version is higher
        than the Firmware"; break;
        case ec.EEcVerCompatResult.ecVER_MISMATCH_HIGHER: comp_Fw_Drv = "Driver version is lower
        than the Firmware"; break;
        case ec.EEcVerCompatResult.ecVER_MATCH: comp_Fw_Drv = "OK"; break;
        default: comp_Fw_Drv = "Firmware Version is invalid"; break;
    }

    //SDK-WDM
    switch ((ec.EEcVerCompatResult)sdkInfo.nWdmCompResult)
    {
        case ec.EEcVerCompatResult.ecVER_MISMATCH_LOWER: comp_Drv_Lib = "Driver version is lower
        than the Library"; break;
        case ec.EEcVerCompatResult.ecVER_MISMATCH_HIGHER: comp_Drv_Lib = "Library version is
        lower than the Driver"; break;
        case ec.EEcVerCompatResult.ecVER_MATCH: comp_Drv_Lib = "OK"; break;
        default: comp_Drv_Lib = "Driver Version is invalid"; break;
    }

    message = string.Format("FW-WDM : {0}. WDM-DLL : {1}. FW-DLL : {2}", comp_Fw_Drv,
```

```
comp_Drv_Lib, comp_Fw_Lib);  
    return false;  
}
```

C++

```
bool IsVersionMatch()  
{  
    TEcFileVerInfo_SDK SdkVerInfo;  
    TEcFileVerInfo_WDM WdmVerInfo;  
    TEcFileVerInfo_FW FwVerInfo;  
    int nErrCode;  
    return ecNet_GetVerInfo(NETID, &SdkVerInfo, &WdmVerInfo, &FwVerInfo, &nErrCode);  
}
```

From:
<http://comizoa.co.kr/info/> - -

Permanent link:
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