- 此文件說明採用的 KEPServerEx 為 v4.18 版及 InTouch 9.0 版圖控軟體。InTouch 本身支援 的資料交換協定為 DDE 及 SuiteLink, DDE 為微軟定義的公開標準在速度及穩定度上不 及 InTouch 自家所製作的 SuiteLink 協定。因為 KEPServerEx 亦支援 SuiteLink 協定,所以 在此強烈建議使用 SuiteLink 協定。
- 2. 在 SuiteLink 協定中的格式必須定義好「Application」、「Topic」,及「Item」。
- 「Application」的設定:
 執行 KEPServerEx 後點選「Tool/Option」後會跳出「Options」視窗。選擇「FastDDE/SuiteLink」
 頁簽,其中的「Application」欄位內容即爲對應到 InTouch 的「Application」:

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4. 「Topic」的設定:

在 InTouch 解釋中此為資料交換對象中的「類別」,對應到 KEPServerEx 中是以「Alias」 來表示,Alias 在 KEPServerEx 中包含著 Channel 和 Device 兩項目,Chanenl 意爲使用 Driver 的通道(如若選擇三菱 FX 的 Driver 表示此為三菱 FX 系列的通道),Device 表示實體的 設備(如 FX2N),欲設定 Alias 如以下作法。

5. 執行 KEPServerEx 後選擇「Edit/Alias Map」後會跳出「Alias Map」視窗。打開視窗後馬 上就可以看見在 KEPServerEx 中預先建立的對應到每個 Channel 和 Device 的 Alias:

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6. 在此我們要建立一個新的 Alias,只要按下左上角的「New Alias」 按鈕,即會出現「Alias」 視窗,在此我們選擇對應的 Channel 為「Chanenl_0_User_Define」,對應的 Device 為此 Channel 下的「Ramp」,在點選完畢後在上方「Mapped to」欄位中出現我們所對應的路徑 「Chanenl_0_User_Define.Ramp」,接下來在「Name」欄位中填入所要的名稱即可。在此 我們號以「sample_alias」為名稱:

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7. 「Item」的設定:

此為 KEPServerEx 在 Device 中所定義的實體 I/O 點,在此我們用「Ramp_Float」作為連接點名稱。

8. 接下來爲設定 InTouch 中的設定。執行 InTouch 的「WindowMaker」, 選擇「Special/Access Names」後會跳出「Access Names」視窗:



9. 按下「Add」按鈕新增一 Access 以對應到我們先前在 KEPServerEx 中建立的 Alias。在 「Application Name」欄位中填入「servermain」(Kepserver 中的設定),在「Topic Name」 中填入「sample_alias」(先前在 KEPServerEx 中所設定的),並在「Access」欄位中填入 一個名稱,在此我們使用「sample_access」,按下「OK」按鈕之後,新增 Access Name 的 部分即完成。



10. 接下來為對應實體 I/O 點部分。點選「Special/Tagnema Dictionary」之後會出現「Tagname Dictionary」視窗。按下「New」按鈕後在「Tagname」欄位填入一個名稱,在此我們填入「Ramp1」(因為此例中所要連接點為 Ramp1,所以用同名稱以方便辨別):



11. 按下「Type」按鈕,跳出「Tag type」視窗,選擇「I/O Real」後按下「OK」按鈕:



12. 回到「Tagname Dictionary」視窗點選「Access Name」按鈕,以秀出「Access Name」視窗。選擇我們剛建立的「Sample_Access」:



13. 回到「Tagname Dictionary」視窗在「Item」欄位中填入我們在 KEPServerEx 中所要連接 的實體 I/O 點名稱,即「Ramp1」。按下「Close」按鈕則可完成 InTouch 和 KEPServerEx 的連接:



14. 接下來我們用 InTouch 的 Control 物件來顯示我們剛剛的連接結果:



^{15.} 在 Runtime 下的執行情形:

