

สรุป FUNCTION OPC AUTOMATION

1 ฟังก์ชันค้นหา OPC

```
Dim AllOPCServers As Variant  
Set AnOPCServer = New OPCServer
```

```
AllOPCServers = AnOPCServer.GetOPCServers *****  
'Text1.Text = AllOPCServers(1)
```

2 ฟังก์ชัน CONNECT OPC

```
Dim servername As String  
Set ConnectedOPCServer = New OPCServer  
'Load the selected server name to start the interface  
servername = Text1.Text
```

```
ConnectedOPCServer.Connect servername *****
```

3 ฟังก์ชัน DISCONNECT OPC

```
If Not ConnectedOPCServer Is Nothing Then
```

```
ConnectedOPCServer.Disconnect *****  
Set ConnectedOPCServer = Nothing *****  
End If
```

4 ฟังก์ชัน ADDGROPS

```
Set ConnectedServerGroup = ConnectedOPCServer.OPCGroups  
ConnectedServerGroup.DefaultGroupsIsActive = True  
ConnectedServerGroup.DefaultGroupDeadband = 0  
Set ConnectedGroup = ConnectedServerGroup.Add("g1")  
ConnectedGroup.UpdateRate = 100  
ConnectedGroup.IsSubscribed = True
```

5 ฟังก์ชัน ADDITEM

```
ItemCount = 4  
OPCItemIDs(1) = "channel1.device1.memory00"  
OPCItemIDs(2) = "channel1.device1.MEMORY01"  
OPCItemIDs(3) = "channel1.device1.memory_word"  
OPCItemIDs(4) = "channel1.device1.memory_word2"
```

```

ClientHandles(1) = 0
ClientHandles(2) = 1
ClientHandles(3) = 2
ClientHandles(4) = 3
Set OPCItemCollection = ConnectedGroup.OPCItems
OPCItemCollection.DefaultIsActive = True
OPCItemCollection.AddItemCount, OPCItemIDs, ClientHandles, ItemServerHandles,
ItemServerErrors *****

```

6 ฟังก์ชัน REMOVEITEM

```

Dim RemoveItemServerHandles(10) As Long

Dim RemoveItemServerErrors() As Long

RemoveItemServerHandles(1) = ItemServerHandles(1)
RemoveItemServerHandles(2) = ItemServerHandles(2)
ItemCount = 2
OPCItemCollection.Remove ItemCount, RemoveItemServerHandles,
RemoveItemServerErrors *****

```

7 ฟังก์ชัน WRITE VALUE

```

ItemCount = 1
Dim SyncItemValues(1) As Variant
Dim SyncItemServerHandles(1) As Long
Dim SyncItemServerErrors() As Long
SyncItemServerHandles(1) = ItemServerHandles(1)
SyncItemValues(1) = 1
ConnectedGroup.SyncWrite ItemCount, SyncItemServerHandles, SyncItemValues,
SyncItemServerErrors

```

8 ฟังก์ชัน READ VALUE

```

ItemCount = 1
Dim SyncItemValues() As Variant
Dim SyncItemServerHandles(1) As Long
Dim SyncItemServerErrors() As Long
SyncItemServerHandles(1) = ItemServerHandles(Index + 1)
ConnectedGroup.SyncRead OPCDevice, ItemCount, SyncItemServerHandles,
SyncItemValues, SyncItemServerErrors

```