

Guia de Configuração usando drive de comunicação nas IHMs da família BTP 2000 com CLP S7-1200



Conhecendo a família de IHM BTP 2000 – Basic Touch Panel



BTP 2000	BTP 2043W 1050387	BTP 2070W 1046666	BTP 2102W 1046667
Tipo do Dispositivo	IHM	IHM	IHM
Display	4,3"	7,0"	10,2"
Cores	262.144		
Resolução	480x272 (WQVGA)		800X480 (WVGA)
Tecnologia Touch	Analógico resistivo		
Grau IP	IP66 / IP20		
Portas Ethernet	1 x 1/100 Mbps	1 x 1/100 Mbps	1 x 1/100 Mbps
Porta SD	1 x SD	1 x SD	1 x SD
Porta USB Host	1 x USB	1 x USB	1 x USB
Porta USB Device	1 x USB	1 x USB	1 x USB
Porta COM - RS232/422/485	1	1	1
Programação - PC WORX	VISU +	VISU +	VISU +
Telas e Tags de visualização	16 Telas - 256 Bytes		
Processador	ARM ® 9 i.MX28, 454 MHz		
Sistema Operacional	Windows CE 6.0		
Memória	128 MB RAM, 512 MB Flash		

Tabela de Variáveis do CLP no TIA Portal



PLC tags									
	Name	Tag table	Data type	Address	Retain	Accessible from HMI/OPC UA	Writable from HMI/OPC UA	Visible in HMI engineering	
1	Entrada_Digital_0	Default tag table	Bool	%I0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	Entrada_Digital_1	Default tag table	Bool	%I0.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Entrada_Digital_2	Default tag table	Bool	%I0.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4	Entrada_Digital_3	Default tag table	Bool	%I0.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5	Entrada_Digital_4	Default tag table	Bool	%I0.4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	Entrada_Digital_5	Default tag table	Bool	%I0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7	Entrada_Digital_6	Default tag table	Bool	%I0.6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8	Entrada_Digital_7	Default tag table	Bool	%I0.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9	Entrada_Analogica_0	Default tag table	Word	%IW64	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10	Saida_Digital_0	Default tag table	Bool	%Q0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11	Saida_Digital_1	Default tag table	Bool	%Q0.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	Saida_Digital_2	Default tag table	Bool	%Q0.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13	Saida_Digital_3	Default tag table	Bool	%Q0.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
14	Saida_Digital_4	Default tag table	Bool	%Q0.4	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15	Saida_Digital_5	Default tag table	Bool	%Q0.5	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16	Saida_Digital_6	Default tag table	Bool	%Q0.6	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17	Saida_Digital_7	Default tag table	Bool	%Q0.7	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18	<Add new>				<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Download do software SCADA – Visu+ 2 EXPRESS

Software - VISU+ 2 EXPRESS - 2402774

Ambiente de desenvolvimento para todos os painéis táteis com Runtime integrado do software de visualização Visu+.

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Visão geral Dados técnicos **Downloads**

Software de demonstração (revisões)

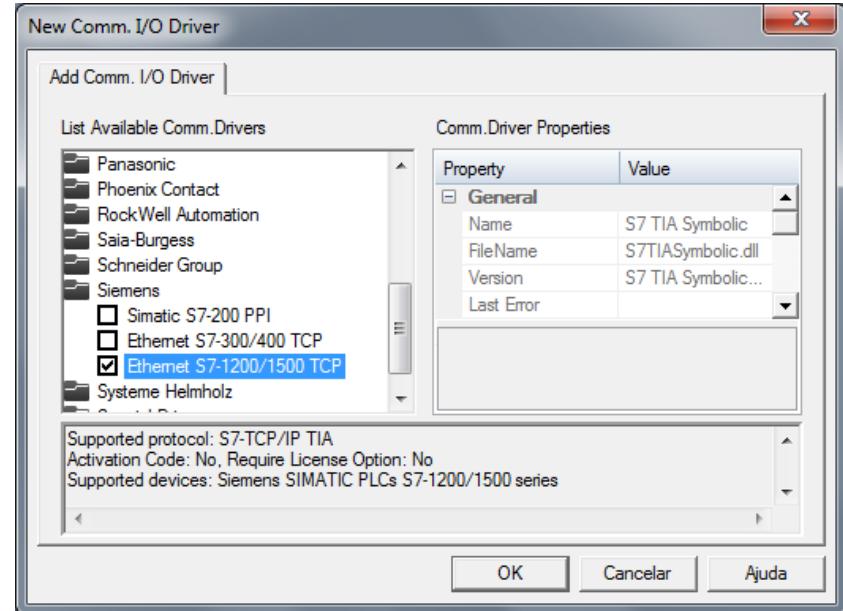
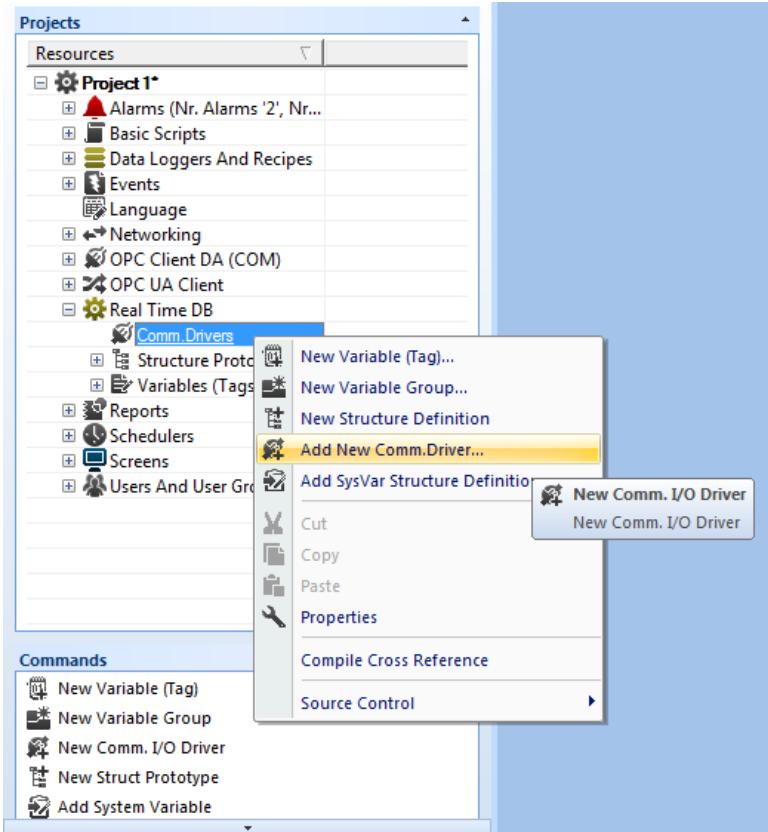
Descrição	Idioma	Versão
<p>[zip, 726 MB] Software de demonstração (revisões) Em comparação com o Visu+ Express 2.43, o Visu+ Express 2.44 inclui o suporte da família de produtos BTP 2000.</p> <hr/> <p>SHA256 Checksum: 3d0ace8c8f3564bcf76f71607bd7355dfcb1c4cbe4c85b32988ca73beb61dc9d visu_plus_express_244.zip</p>	Internacional	2.44

*No site já está disponível para download a versão 2.52 porém ela não é totalmente compatível com a família BTP2000.

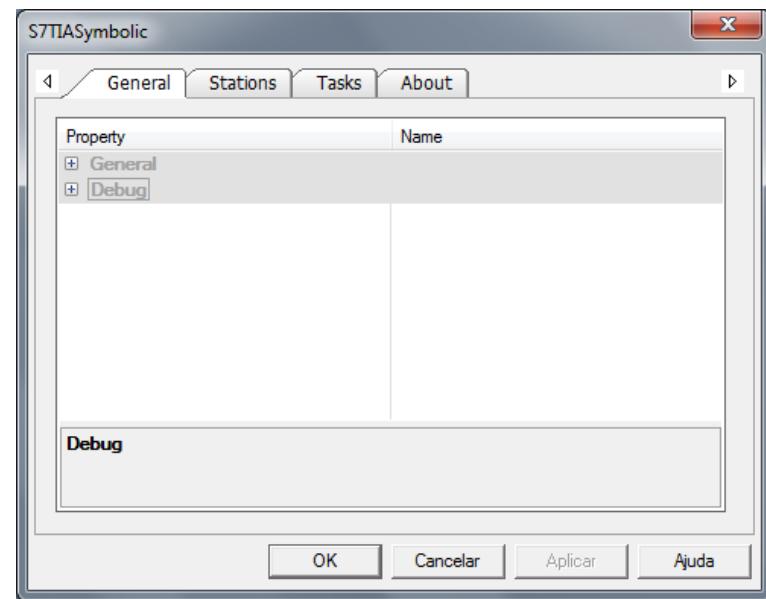
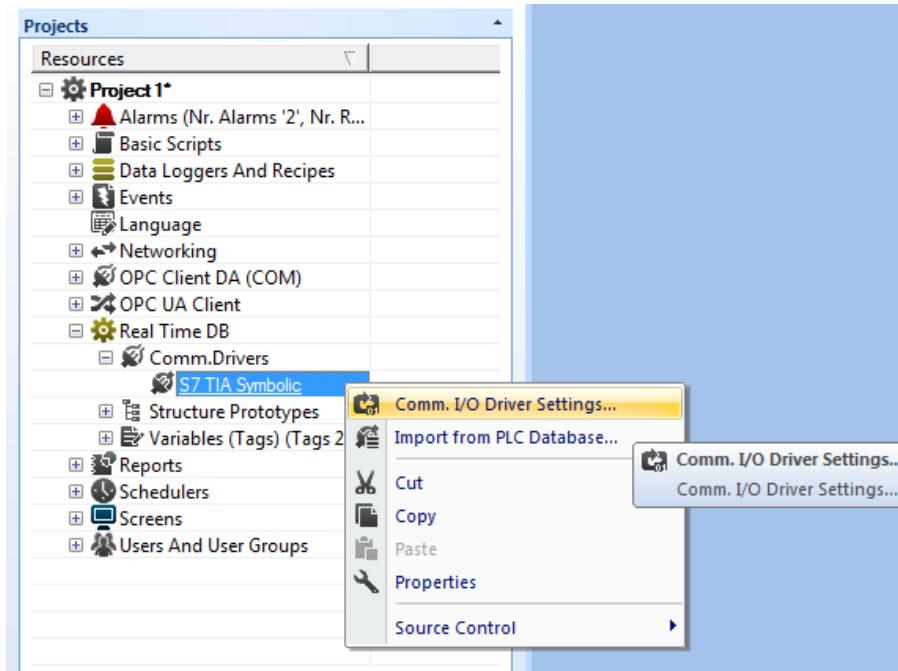
Iniciando um Projeto no Visu+ 2 Express



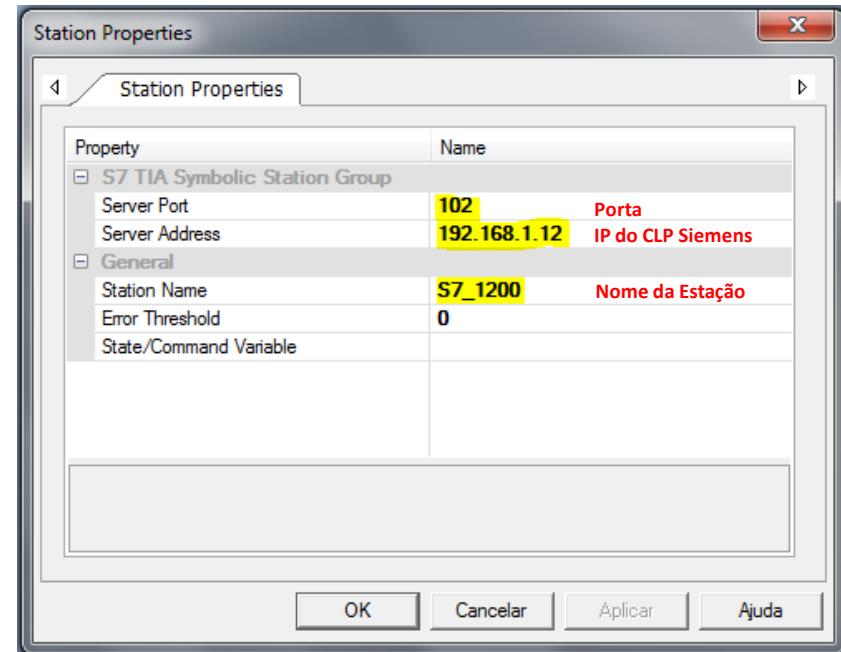
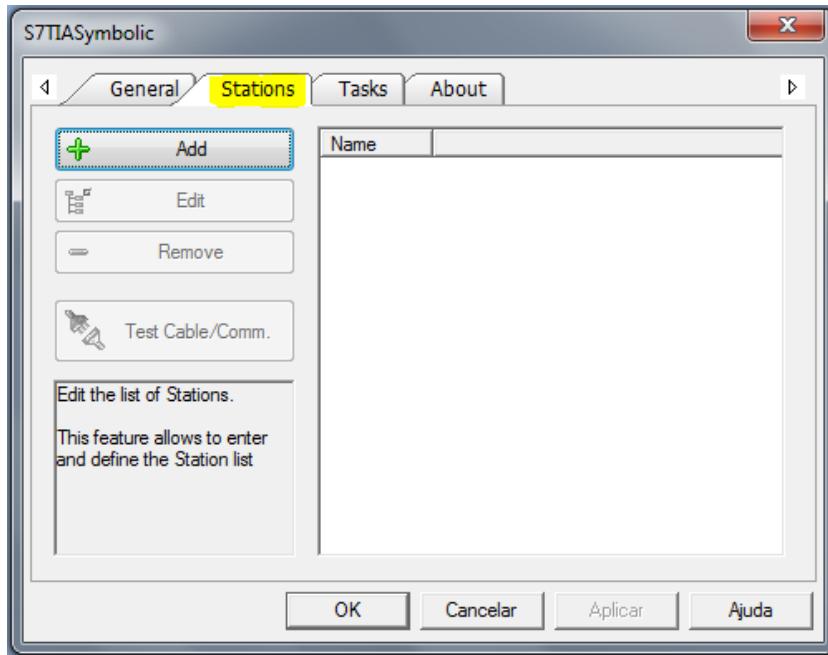
Configurando o Drive de Comunicação



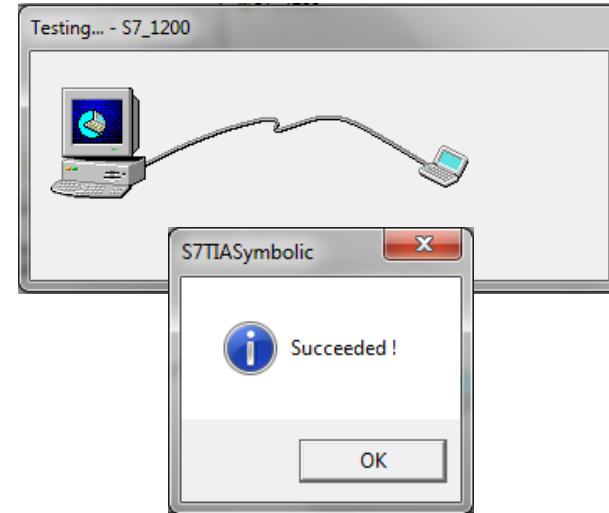
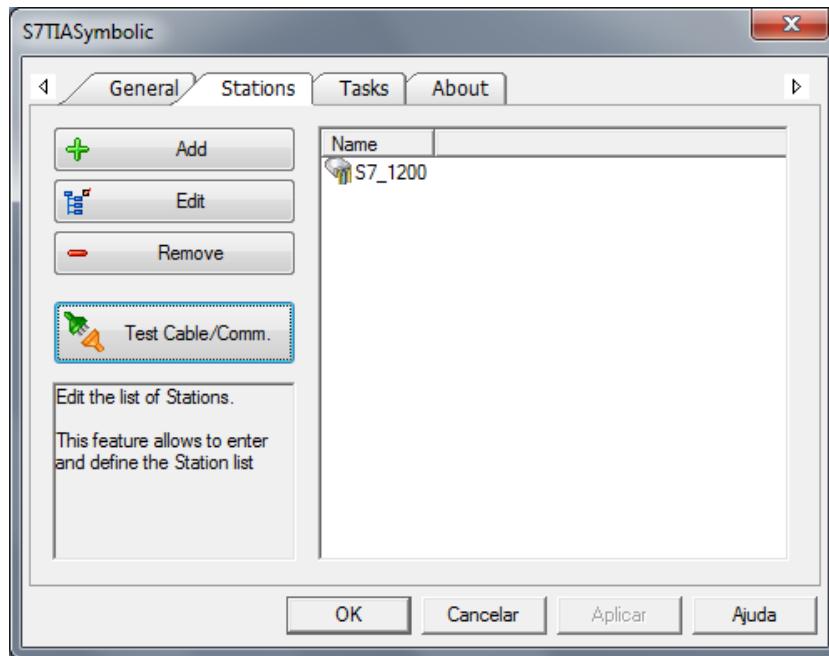
Configurando o Drive de Comunicação



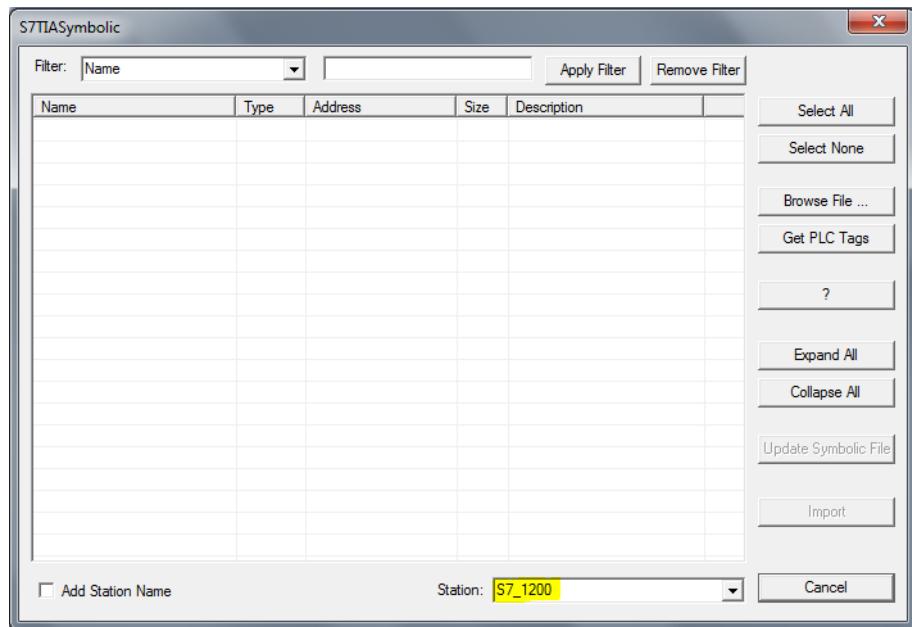
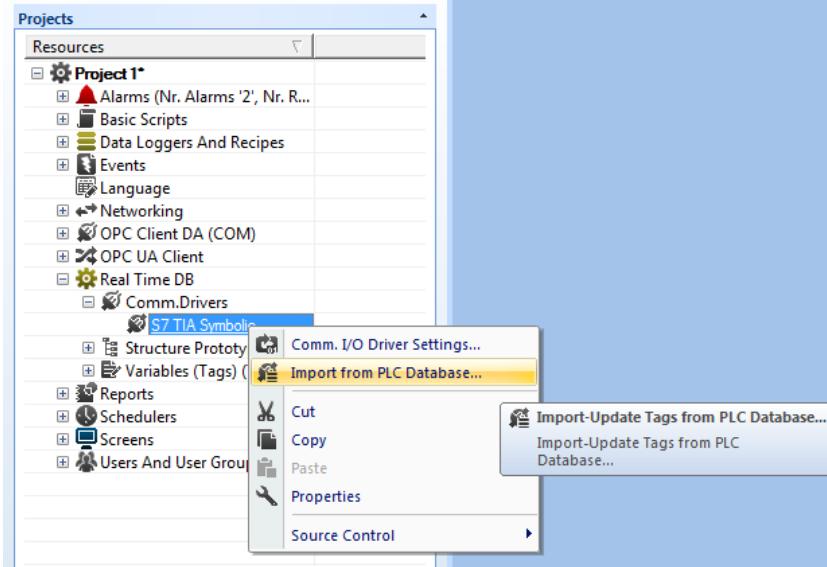
Configurando o Drive de Comunicação



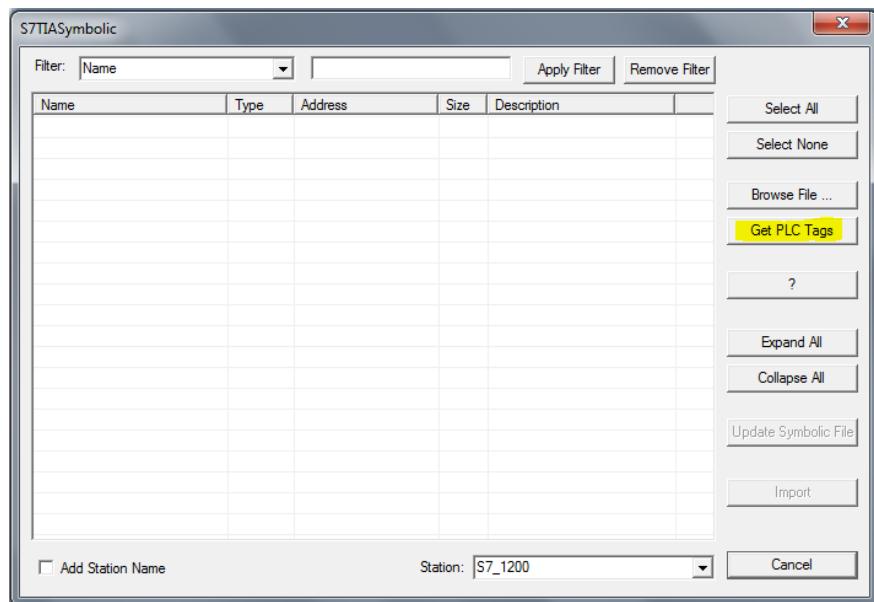
Testando Conexão do Drive de Comunicação



Importando TAGS do Controlador



Importando TAGS do Controlador



S7TIASymbolic Import Device Variables - MLFB: 6ES7 214-1BG40-0XB0 - 192.168.1.12					
Name	Type	Address	Size	Description	D
PLC.Tags.Table.Saida_Digital_7	S7_Bool	PLC.Tags.Table.Saida_Digital_7	1		
PLC.Tags.Table.Saida_Digital_6	S7_Bool	PLC.Tags.Table.Saida_Digital_6	1		
PLC.Tags.Table.Saida_Digital_5	S7_Bool	PLC.Tags.Table.Saida_Digital_5	1		
PLC.Tags.Table.Saida_Digital_4	S7_Bool	PLC.Tags.Table.Saida_Digital_4	1		
PLC.Tags.Table.Saida_Digital_3	S7_Bool	PLC.Tags.Table.Saida_Digital_3	1		
PLC.Tags.Table.Saida_Digital_2	S7_Bool	PLC.Tags.Table.Saida_Digital_2	1		
PLC.Tags.Table.Saida_Digital_1	S7_Bool	PLC.Tags.Table.Saida_Digital_1	1		
PLC.Tags.Table.Saida_Digital_0	S7_Bool	PLC.Tags.Table.Saida_Digital_0	1		
PLC.Tags.Table.Entrada_Analogica_0	S7_Word	PLC.Tags.Table.Entrada_Analogica_0	2		
PLC.Tags.Table.Entrada_Digital_7	S7_Bool	PLC.Tags.Table.Entrada_Digital_7	1		
PLC.Tags.Table.Entrada_Digital_6	S7_Bool	PLC.Tags.Table.Entrada_Digital_6	1		
PLC.Tags.Table.Entrada_Digital_5	S7_Bool	PLC.Tags.Table.Entrada_Digital_5	1		
PLC.Tags.Table.Entrada_Digital_4	S7_Bool	PLC.Tags.Table.Entrada_Digital_4	1		
PLC.Tags.Table.Entrada_Digital_3	S7_Bool	PLC.Tags.Table.Entrada_Digital_3	1		
PLC.Tags.Table.Entrada_Digital_2	S7_Bool	PLC.Tags.Table.Entrada_Digital_2	1		
PLC.Tags.Table.Entrada_Digital_1	S7_Bool	PLC.Tags.Table.Entrada_Digital_1	1		
PLC.Tags.Table.Entrada_Digital_0	S7_Bool	PLC.Tags.Table.Entrada_Digital_0	1		

Importando TAGS do Controlador

S7TIA Symbolic Import Device Variables - MLFB: 6ES7 214-1BG40-0XB0 - 192.168.1.12

Name	Type	Address	Size	De
01 PLC.Tags.Table.Saida_Digital_7	S7_Bool	PLC.Tags.Table.Saida_Digital_7	1	
01 PLC.Tags.Table.Saida_Digital_6	S7_Bool	PLC.Tags.Table.Saida_Digital_6	1	
01 PLC.Tags.Table.Saida_Digital_5	S7_Bool	PLC.Tags.Table.Saida_Digital_5	1	
01 PLC.Tags.Table.Saida_Digital_4	S7_Bool	PLC.Tags.Table.Saida_Digital_4	1	
01 PLC.Tags.Table.Saida_Digital_3	S7_Bool	PLC.Tags.Table.Saida_Digital_3	1	
01 PLC.Tags.Table.Saida_Digital_2	S7_Bool	PLC.Tags.Table.Saida_Digital_2	1	
01 PLC.Tags.Table.Saida_Digital_1	S7_Bool	PLC.Tags.Table.Saida_Digital_1	1	
01 PLC.Tags.Table.Saida_Digital_0	S7_Bool	PLC.Tags.Table.Saida_Digital_0	1	
w PLC.Tags.Table.Entrada_Analogica_0	S7_Word	PLC.Tags.Table.Entrada_Analogica_0	2	
01 PLC.Tags.Table.Entrada_Digital_7	S7_Bool	PLC.Tags.Table.Entrada_Digital_7	1	
01 PLC.Tags.Table.Entrada_Digital_6	S7_Bool	PLC.Tags.Table.Entrada_Digital_6	1	
01 PLC.Tags.Table.Entrada_Digital_5	S7_Bool	PLC.Tags.Table.Entrada_Digital_5	1	
01 PLC.Tags.Table.Entrada_Digital_4	S7_Bool	PLC.Tags.Table.Entrada_Digital_4	1	
01 PLC.Tags.Table.Entrada_Digital_3	S7_Bool	PLC.Tags.Table.Entrada_Digital_3	1	
01 PLC.Tags.Table.Entrada_Digital_2	S7_Bool	PLC.Tags.Table.Entrada_Digital_2	1	
01 PLC.Tags.Table.Entrada_Digital_1	S7_Bool	PLC.Tags.Table.Entrada_Digital_1	1	
01 PLC.Tags.Table.Entrada_Digital_0	S7_Bool	PLC.Tags.Table.Entrada_Digital_0	1	

Filter: Name Apply Filter Remove Filter

Select All
Select None
Browse File ...
Get PLC Tags
?
Expand All
Collapse All
Update Symbolic File
Import

Add Station Name: Station: S7_1200 Cancel

S7TIA Symbolic Import Device Variables - MLFB: 6ES7 214-1BG40-0XB0 - 192.168.1.12

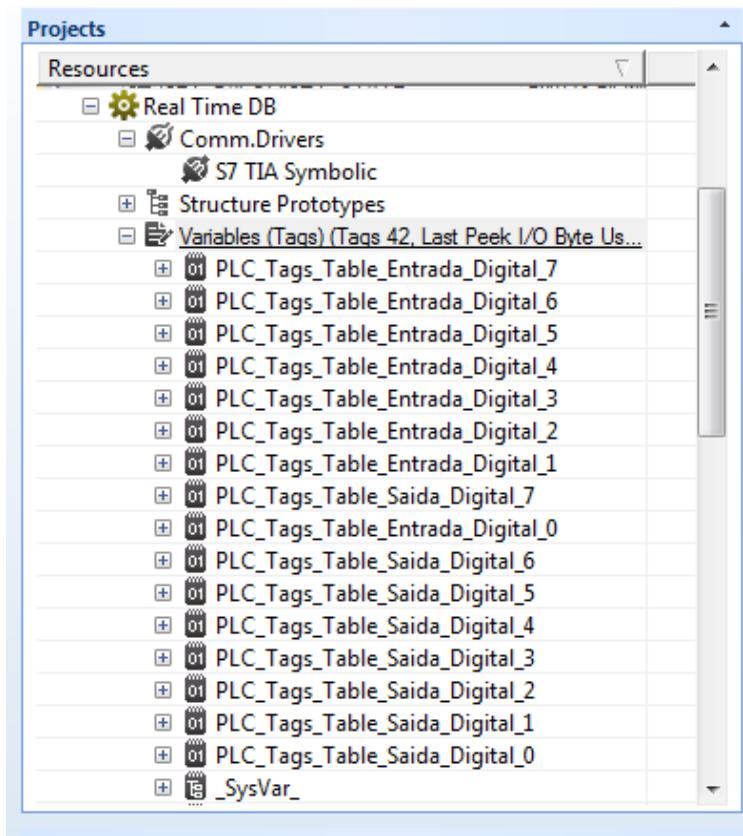
Name	Type	Address	Size	De
01 PLC.Tags.Table.Saida_Digital_7	S7_Bool	PLC.Tags.Table.Saida_Digital_7	1	
01 PLC.Tags.Table.Saida_Digital_6	S7_Bool	PLC.Tags.Table.Saida_Digital_6	1	
01 PLC.Tags.Table.Saida_Digital_5	S7_Bool	PLC.Tags.Table.Saida_Digital_5	1	
01 PLC.Tags.Table.Saida_Digital_4	S7_Bool	PLC.Tags.Table.Saida_Digital_4	1	
01 PLC.Tags.Table.Saida_Digital_3	S7_Bool	PLC.Tags.Table.Saida_Digital_3	1	
01 PLC.Tags.Table.Saida_Digital_2	S7_Bool	PLC.Tags.Table.Saida_Digital_2	1	
01 PLC.Tags.Table.Saida_Digital_1	S7_Bool	PLC.Tags.Table.Saida_Digital_1	1	
01 PLC.Tags.Table.Saida_Digital_0	S7_Bool	PLC.Tags.Table.Saida_Digital_0	1	
w PLC.Tags.Table.Entrada_Analogica_0	S7_Word	PLC.Tags.Table.Entrada_Analogica_0	2	
01 PLC.Tags.Table.Entrada_Digital_7	S7_Bool	PLC.Tags.Table.Entrada_Digital_7	1	
01 PLC.Tags.Table.Entrada_Digital_6	S7_Bool	PLC.Tags.Table.Entrada_Digital_6	1	
01 PLC.Tags.Table.Entrada_Digital_5	S7_Bool	PLC.Tags.Table.Entrada_Digital_5	1	
01 PLC.Tags.Table.Entrada_Digital_4	S7_Bool	PLC.Tags.Table.Entrada_Digital_4	1	
01 PLC.Tags.Table.Entrada_Digital_3	S7_Bool	PLC.Tags.Table.Entrada_Digital_3	1	
01 PLC.Tags.Table.Entrada_Digital_2	S7_Bool	PLC.Tags.Table.Entrada_Digital_2	1	
01 PLC.Tags.Table.Entrada_Digital_1	S7_Bool	PLC.Tags.Table.Entrada_Digital_1	1	
01 PLC.Tags.Table.Entrada_Digital_0	S7_Bool	PLC.Tags.Table.Entrada_Digital_0	1	

Filter: Name Apply Filter Remove Filter

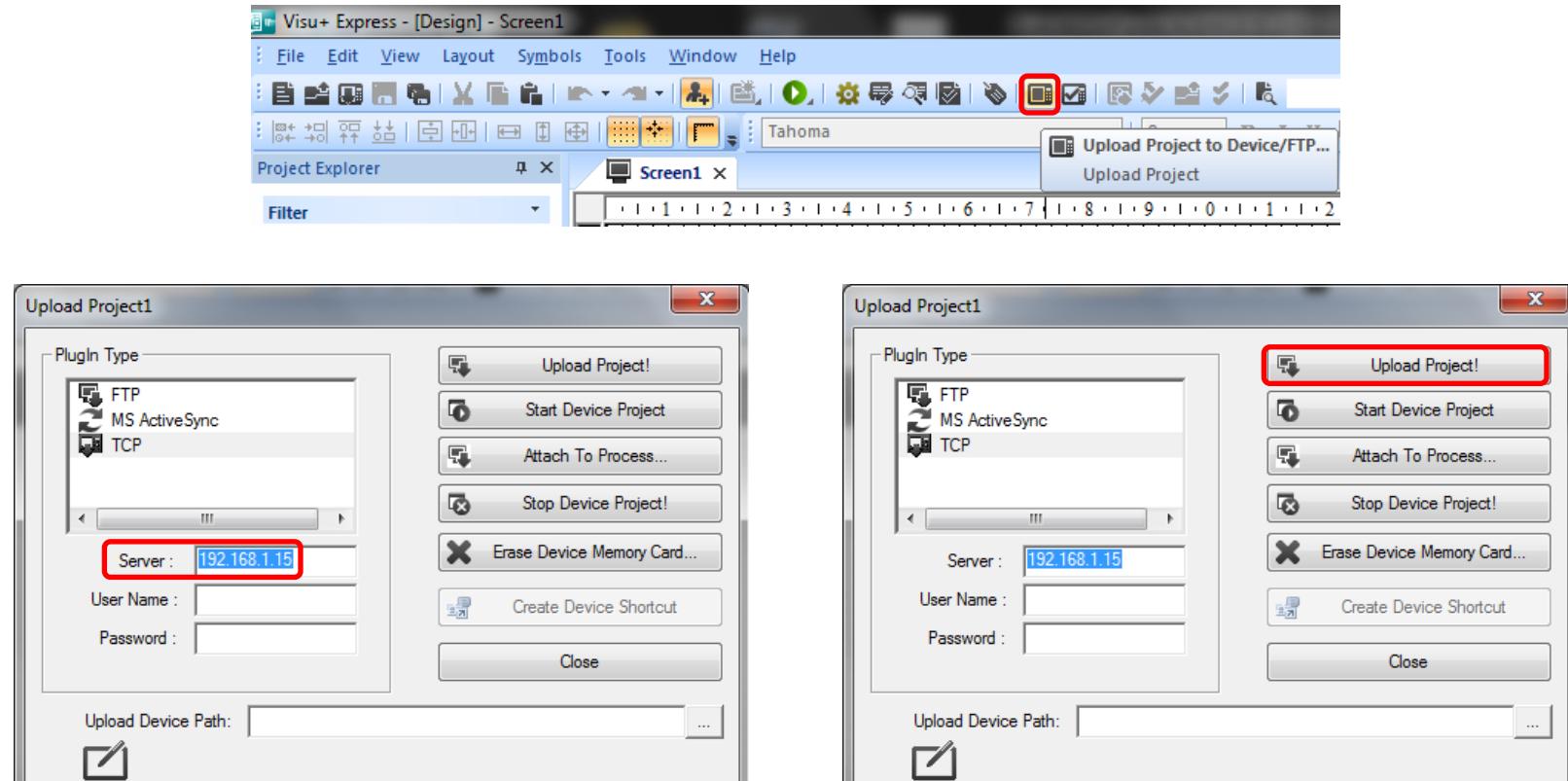
Select All
Select None
Browse File ...
Get PLC Tags
?
Expand All
Collapse All
Update Symbolic File
Import

Add Station Name: Station: S7_1200 Cancel

Importando TAGS do Controlador



Fazer Download do Projeto para a IHM BTP

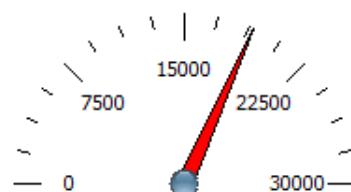


Screen1

Entrada Digital 0



Entrada Analógica 0



Saída Digital 0



(F1) Screen1

(F2) Screen2

(F3) Screen3

(F4) Screen4

Pronto!!!

O Drive está configurado e os TAGS importadas
Já pode iniciar o desenvolvimento da interface gráfica.



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