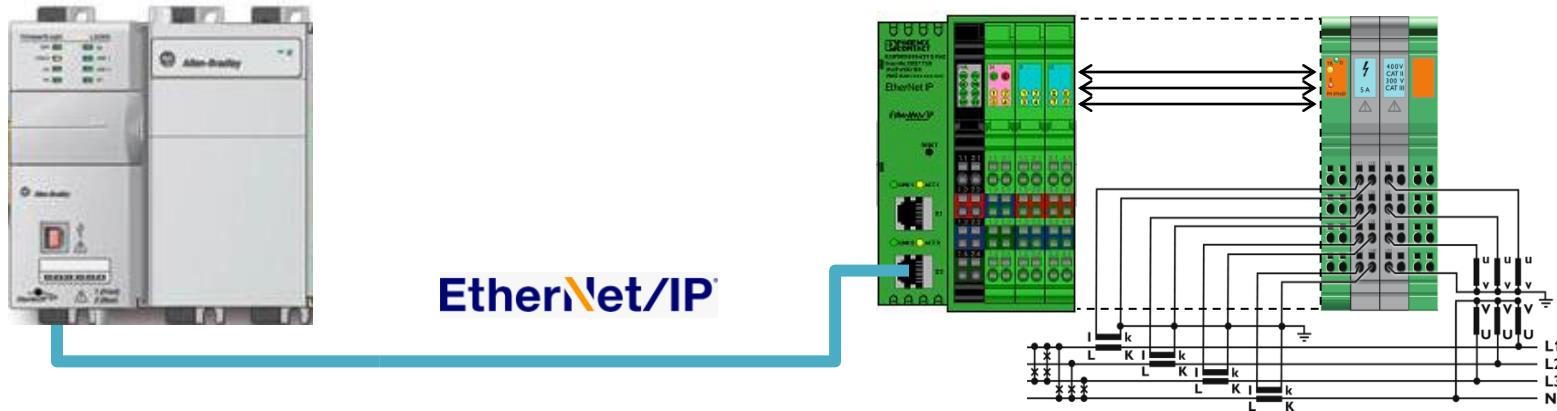


# Guia de Configuração

## CLP CompactLogix e Remota Ethernet/IP e

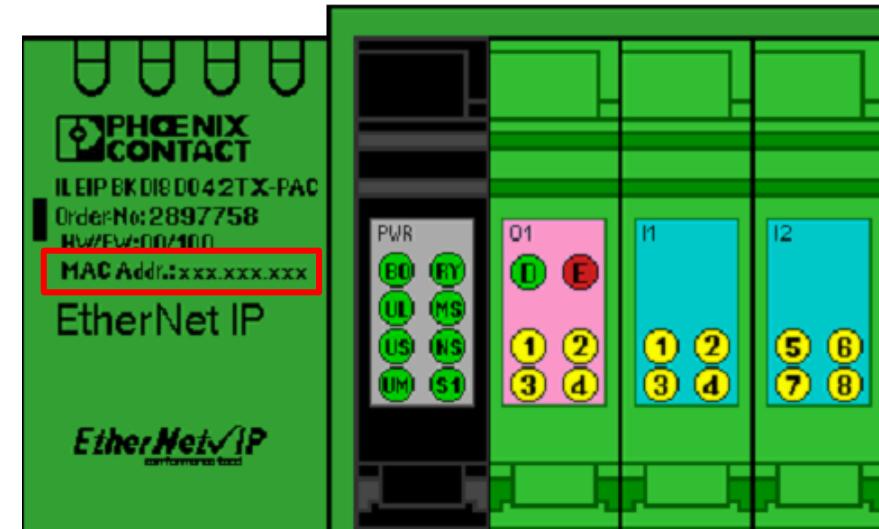
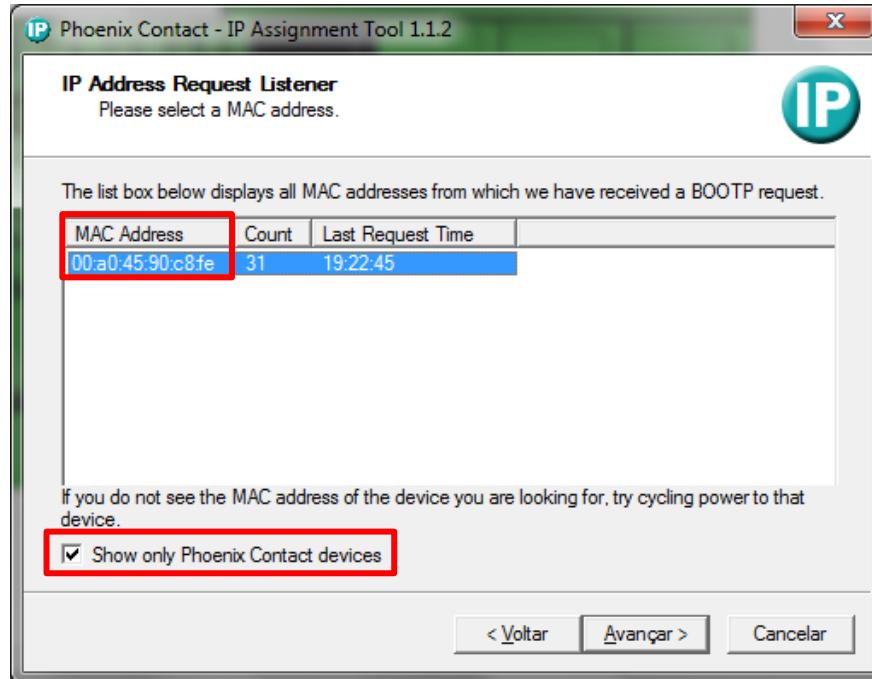
## Cartão de Medição de Energia



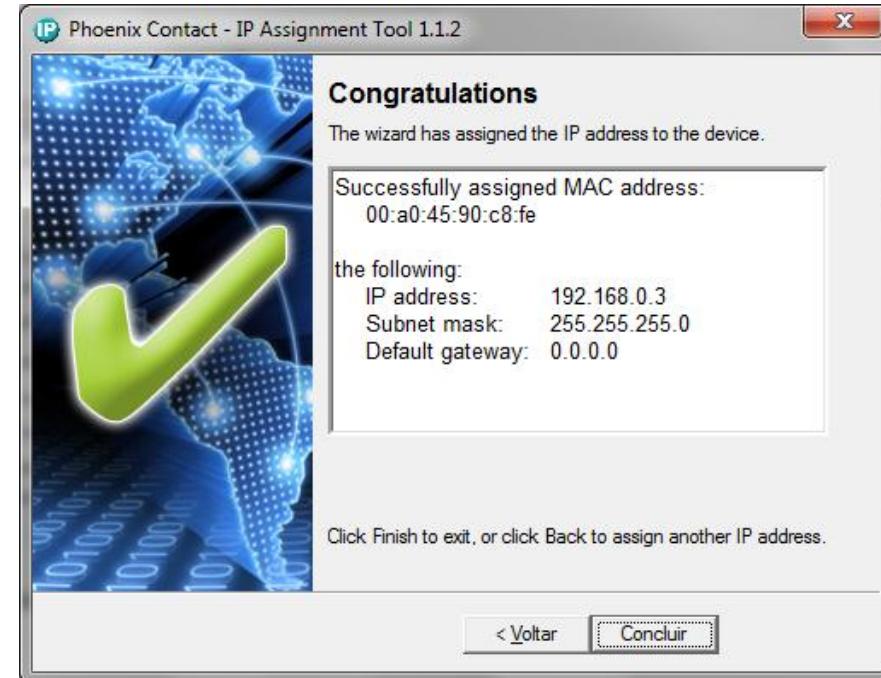
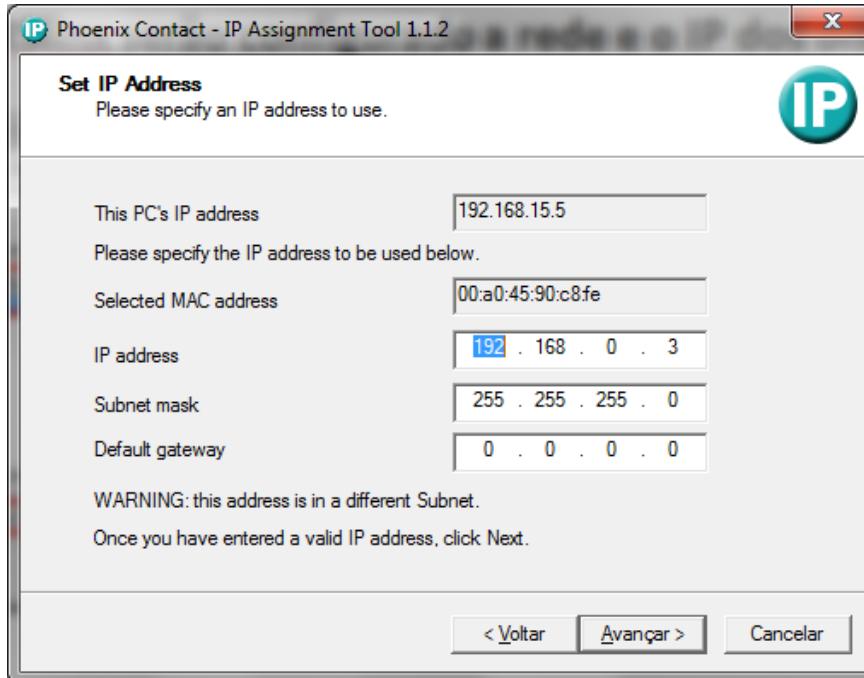
# Configuração do IP da REMOTA via software IP Assignment Tool



# Configuração do IP da REMOTA via software IP Assignment Tool



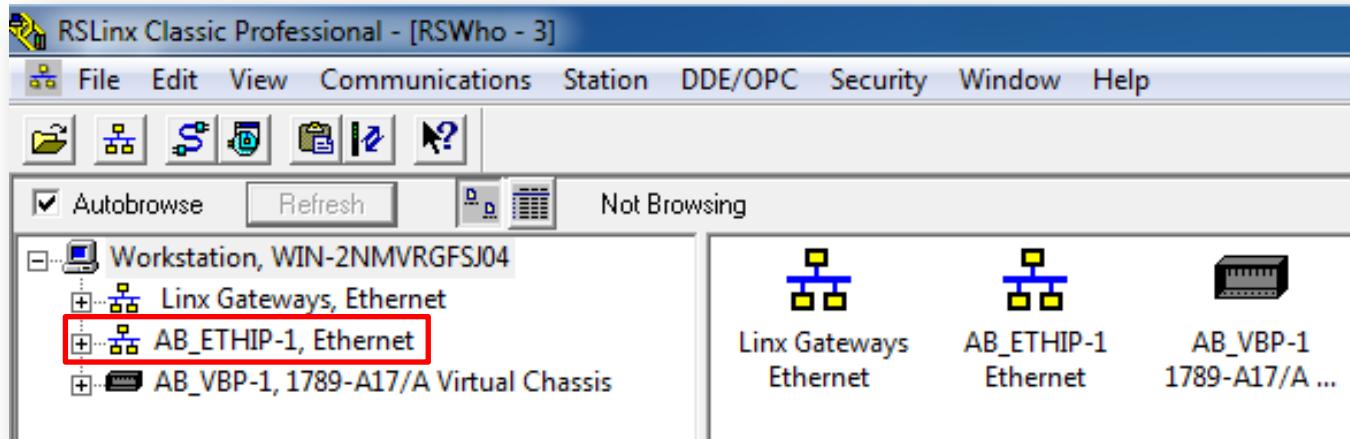
# Configuração do IP da REMOTA via software IP Assignment Tool



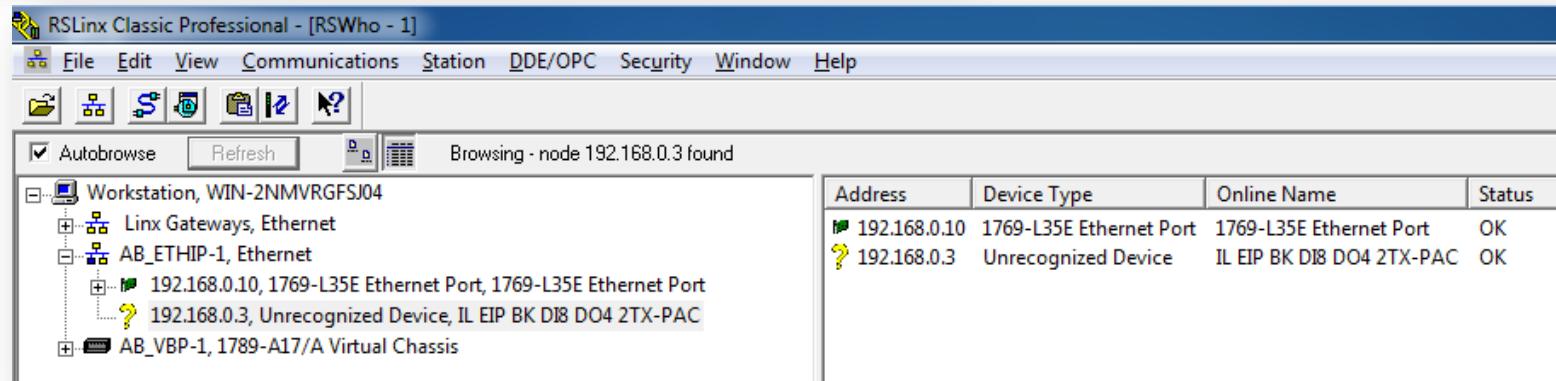
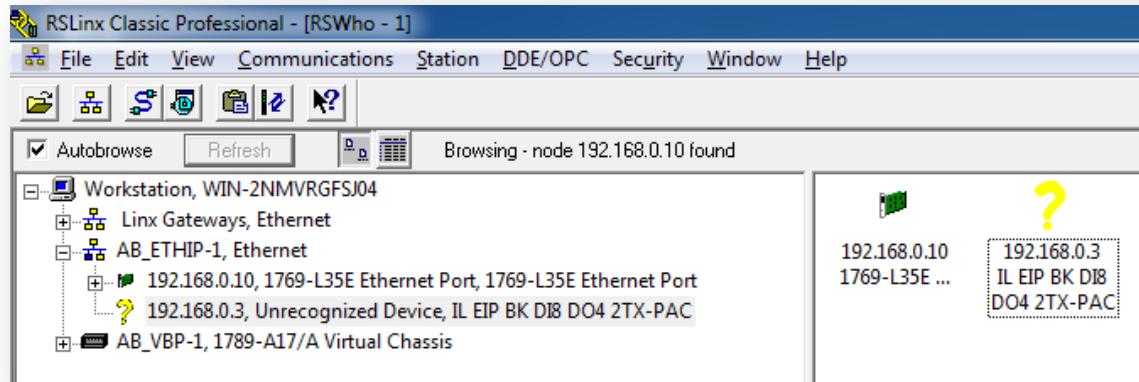
# O RSLink identifica os dispositivos na rede e mostra seus status.



# O RSLinx identifica os dispositivos na rede e mostra seus status.



# O RSLinx identifica os dispositivos na rede e mostra seus status.



# Leitura de parâmetros e configurações da REMOTA via browser

IL EIP BK DI8 DO4 - Homepage X

192.168.0.3

PHOENIX CONTACT

IL EIP BK DI8 DO4 2TX-PAC last update: 19:55:49

IL EIP BK DI8 DO4

General Instructions

Device Information

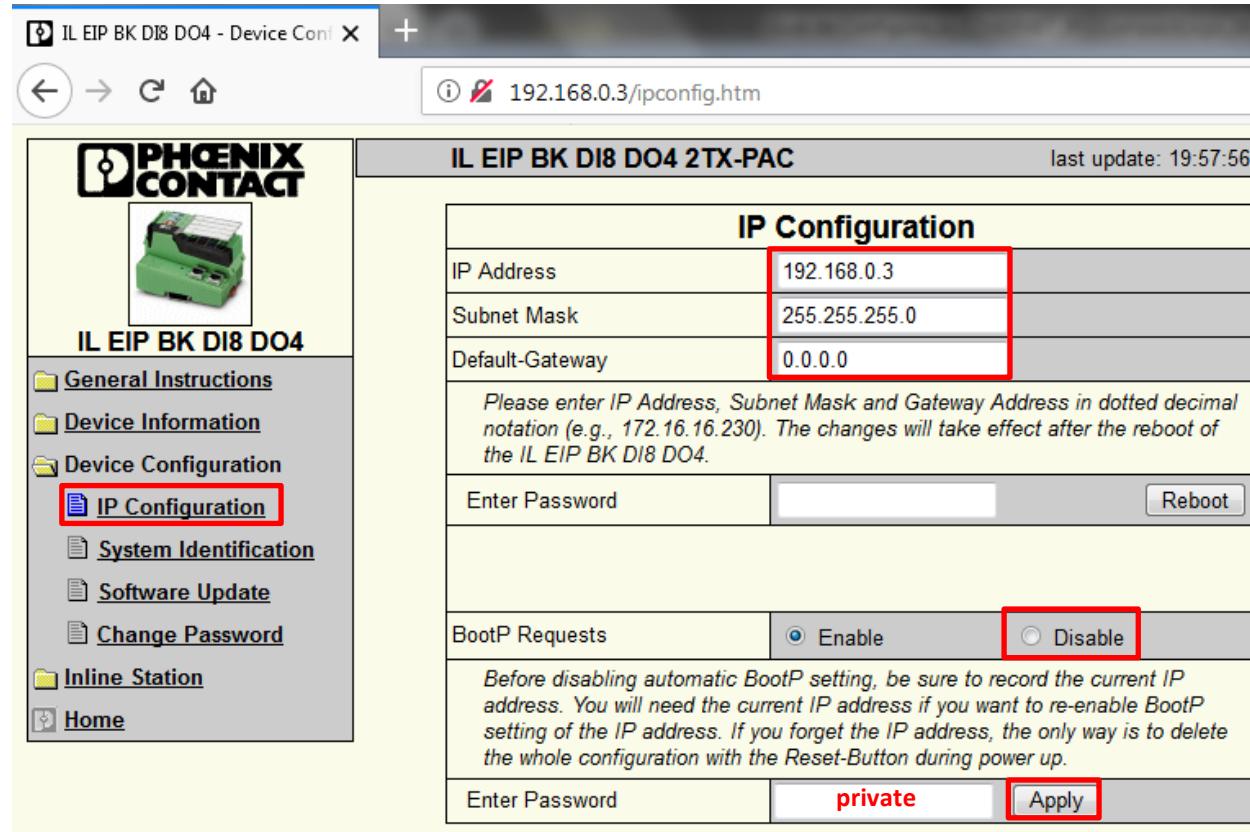
Device Configuration

Inline Station



EtherNet/IP

# Configurações de parâmetros da REMOTA via browser

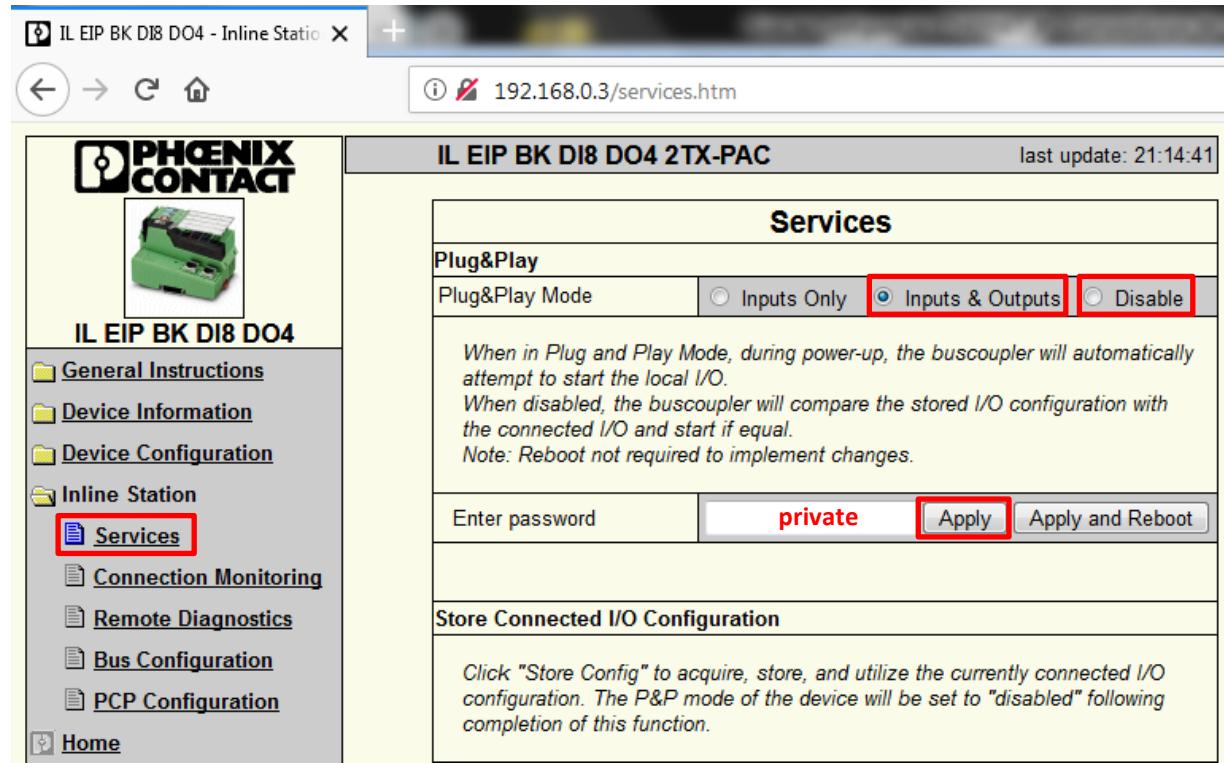


The screenshot shows the configuration interface for the IL EIP BK DI8 DO4 device. The left sidebar contains links for General Instructions, Device Information, Device Configuration (with IP Configuration selected), System Identification, Software Update, Change Password, Inline Station, and Home. The main content area displays the IP Configuration page for the device, which includes fields for IP Address (192.168.0.3), Subnet Mask (255.255.255.0), and Default-Gateway (0.0.0.0). Below these fields is a note about entering IP address, subnet mask, and gateway in dotted decimal notation. The BootP Requests section shows 'Enable' selected. At the bottom, there is a note about disabling BootP and a password field with 'private' entered, followed by an 'Apply' button.

IP Configuration	
IP Address	192.168.0.3
Subnet Mask	255.255.255.0
Default-Gateway	0.0.0.0
Please enter IP Address, Subnet Mask and Gateway Address in dotted decimal notation (e.g., 172.16.16.230). The changes will take effect after the reboot of the IL EIP BK DI8 DO4.	
Enter Password	<input type="text"/> <input type="button" value="Reboot"/>
BootP Requests	<input checked="" type="radio"/> Enable <input type="radio"/> Disable
Before disabling automatic BootP setting, be sure to record the current IP address. You will need the current IP address if you want to re-enable BootP setting of the IP address. If you forget the IP address, the only way is to delete the whole configuration with the Reset-Button during power up.	
Enter Password	<input type="text" value="private"/> <input type="button" value="Apply"/>

Para desabilitar a função BootP  
e mantém o IP estático

# Configurações de parâmetros da REMOTA via browser



The screenshot shows the configuration interface for the IL EIP BK DI8 DO4 2TX-PAC device. The left sidebar contains navigation links for General Instructions, Device Information, Device Configuration, Inline Station (with Services selected), Connection Monitoring, Remote Diagnostics, Bus Configuration, PCP Configuration, and Home. The main content area displays the 'Services' configuration page. It includes a 'Plug&Play' section with three radio buttons: 'Inputs Only', 'Inputs & Outputs' (which is selected and highlighted with a red box), and 'Disable'. Below this is a text block explaining the function of the 'Plug&Play Mode'. Further down are fields for 'Enter password' (set to 'private') and 'Apply' (which is also highlighted with a red box). The 'Apply and Reboot' button is also visible. At the bottom, there is a section for 'Store Connected I/O Configuration' with a descriptive text.

O modo Plug&Play deve estar ATIVO somente na configuração inicial para a identificação automática de todos os cartões de IO acoplado no barramento.

Posteriormente este modo deve ser desativado para que o CLP mestre consiga ler e escrever nos IO.

# Configurações de parâmetros da REMOTA via browser

IL EIP BK DI8 DO4 - Inline Station X

192.168.0.3/busconf.htm

PHOENIX CONTACT

IL EIP BK DI8 DO4

General Instructions

Device Information

Device Configuration

Inline Station

Services

Process Data Monitoring

Remote Diagnostics

**Bus Configuration**

PCP Configuration

Home

IL EIP BK DI8 DO4 2TX-PAC

last update: 12:51:45

**Bus Configuration**

Produced size in bytes: 28 (Module Inputs)

Consumed size in bytes: 26 (Module Outputs)

Baudrate: 500 kBaud

Number	Symbol	Description
0		IL EIP BK DI8 DO4
1		Module with 4 digital outputs.
2		Module with 8 digital inputs.
3		Function module with 12 word(s) of prozessdata and 2 pcp word(s).

Tamanho de memória a ser reservada para a REMOTA no RS Logix5000.

28 Bytes = 14 Words

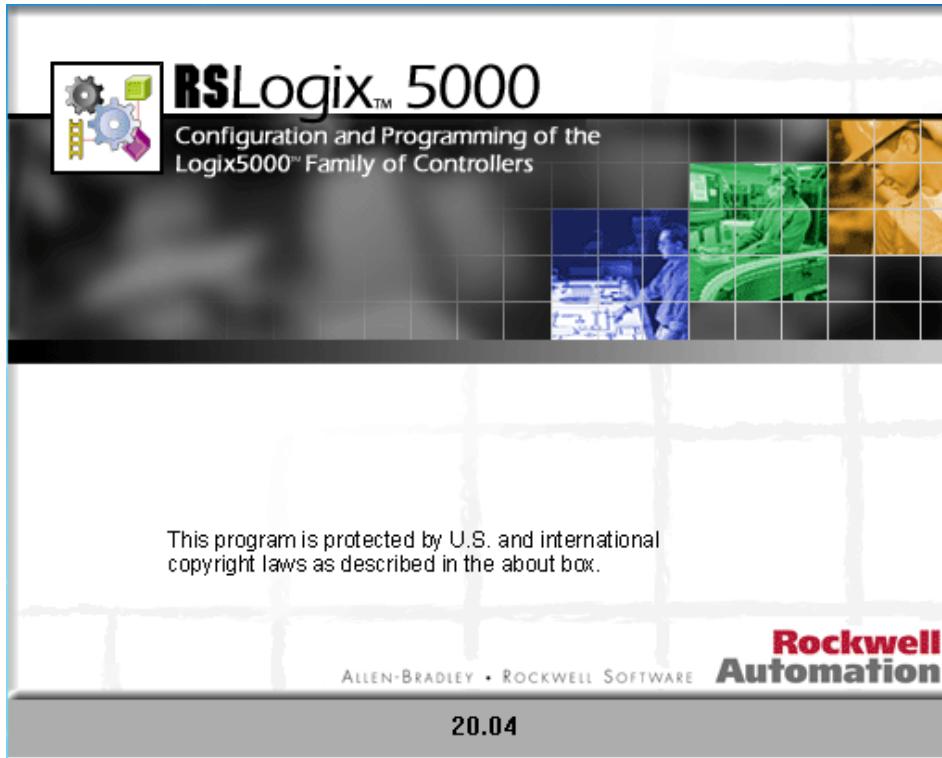
26 Bytes = 13 Words

4 DO onboard na cabeça de rede

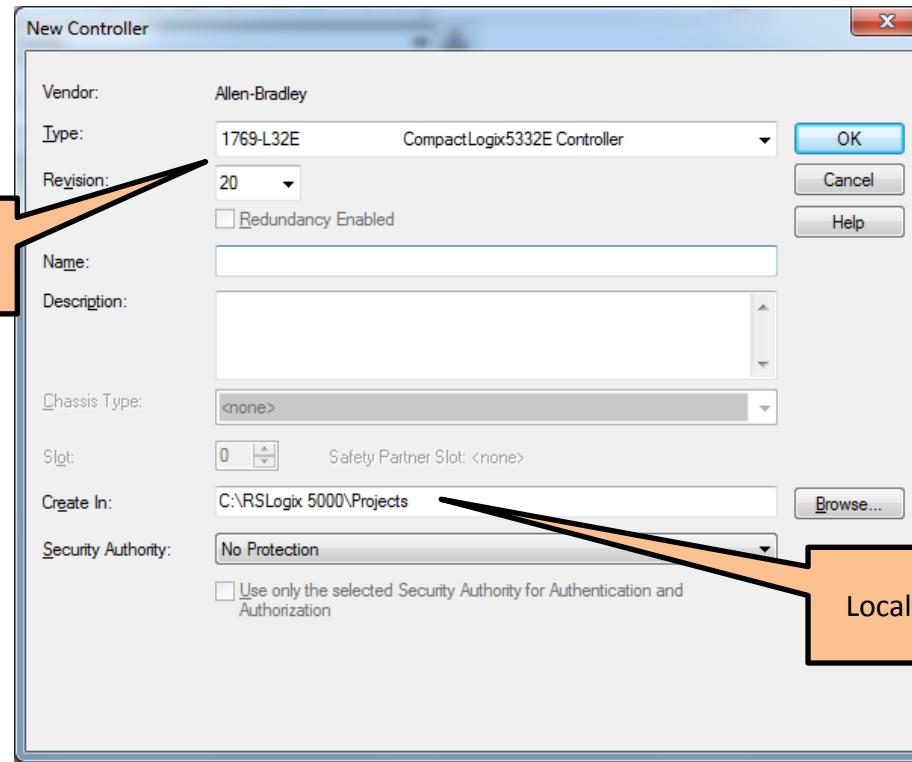
8 DI onboard na cabeça de rede

Cartão de Medição de Energia

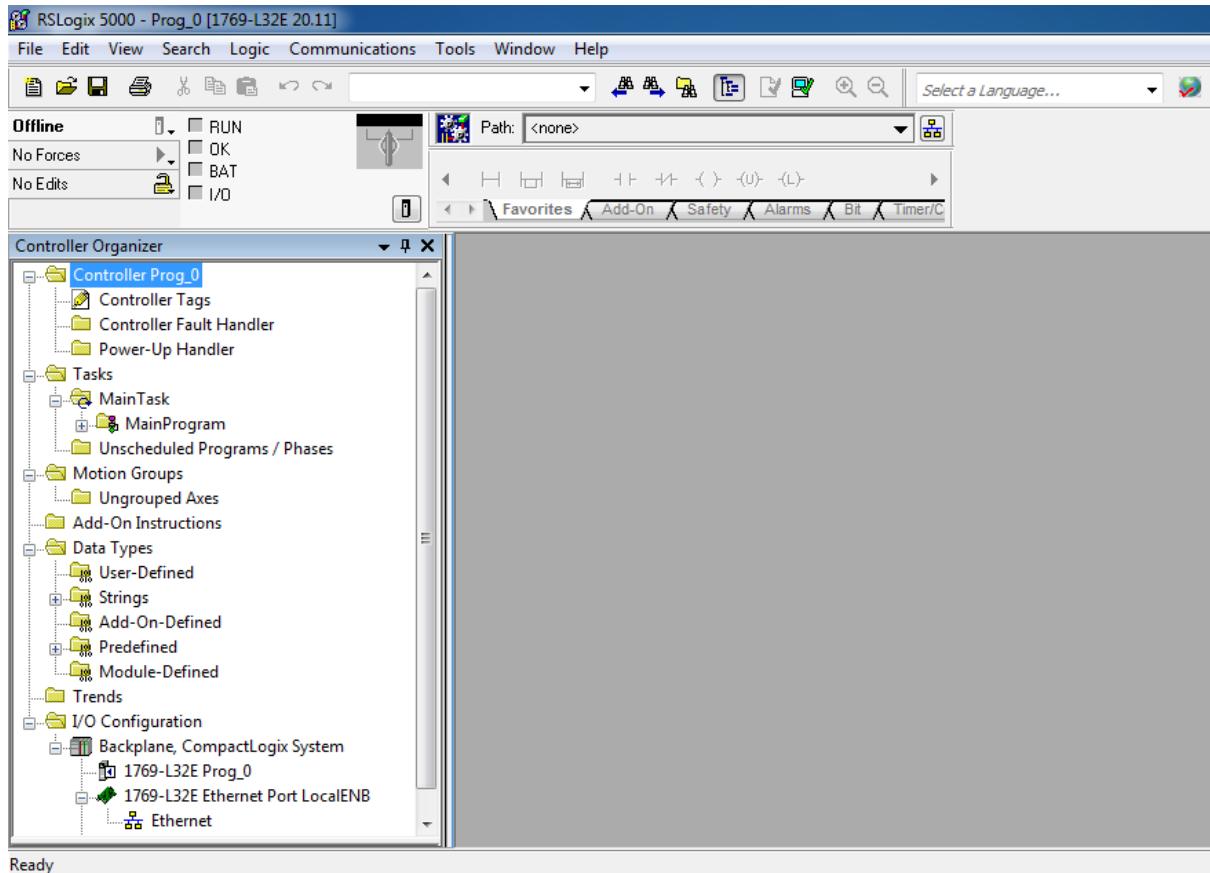
# Iniciar o projeto no RS Logix5000



# Iniciar o projeto no RS Logix5000

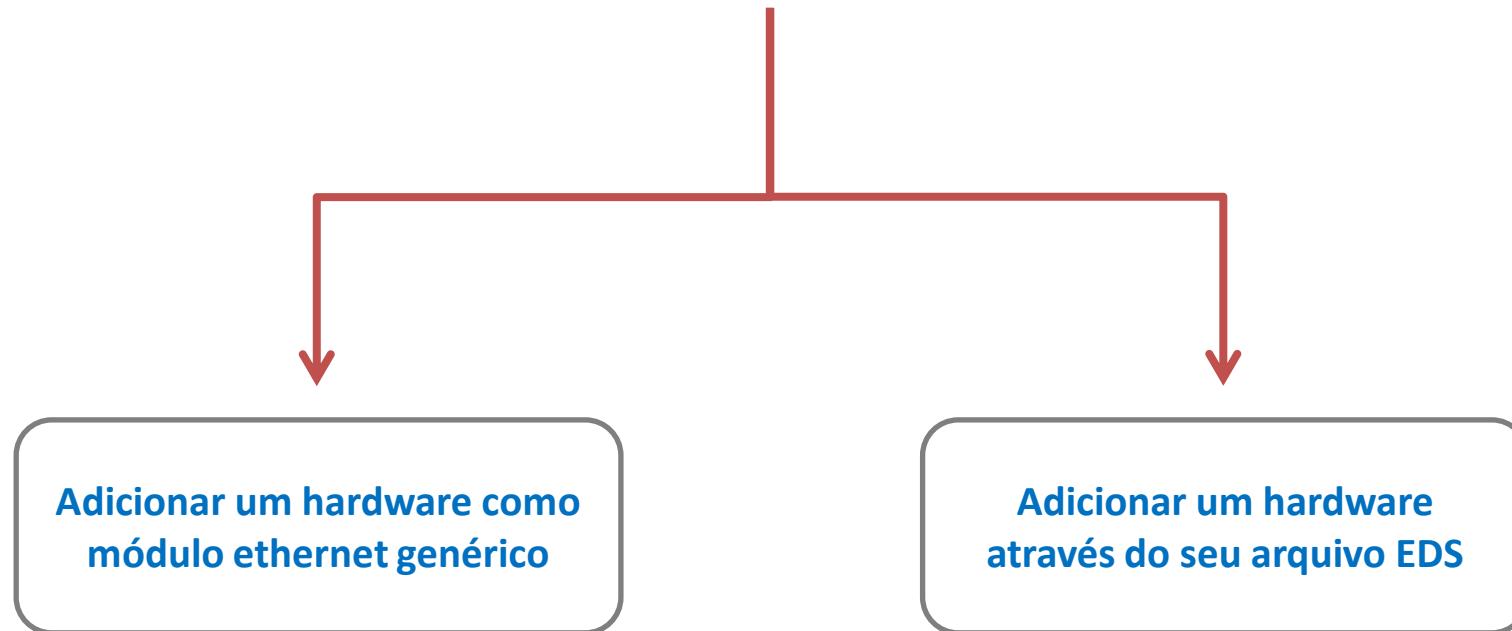


# Iniciar o projeto no RS Logix5000



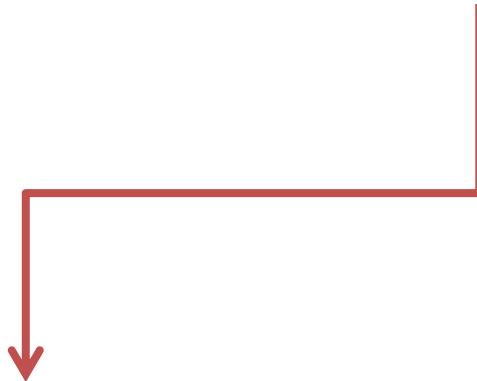
# Existem duas formas de adicionar a REMOTA a arquitetura do projeto

## IL EIP BK DI8 DO4 2TX-PAC



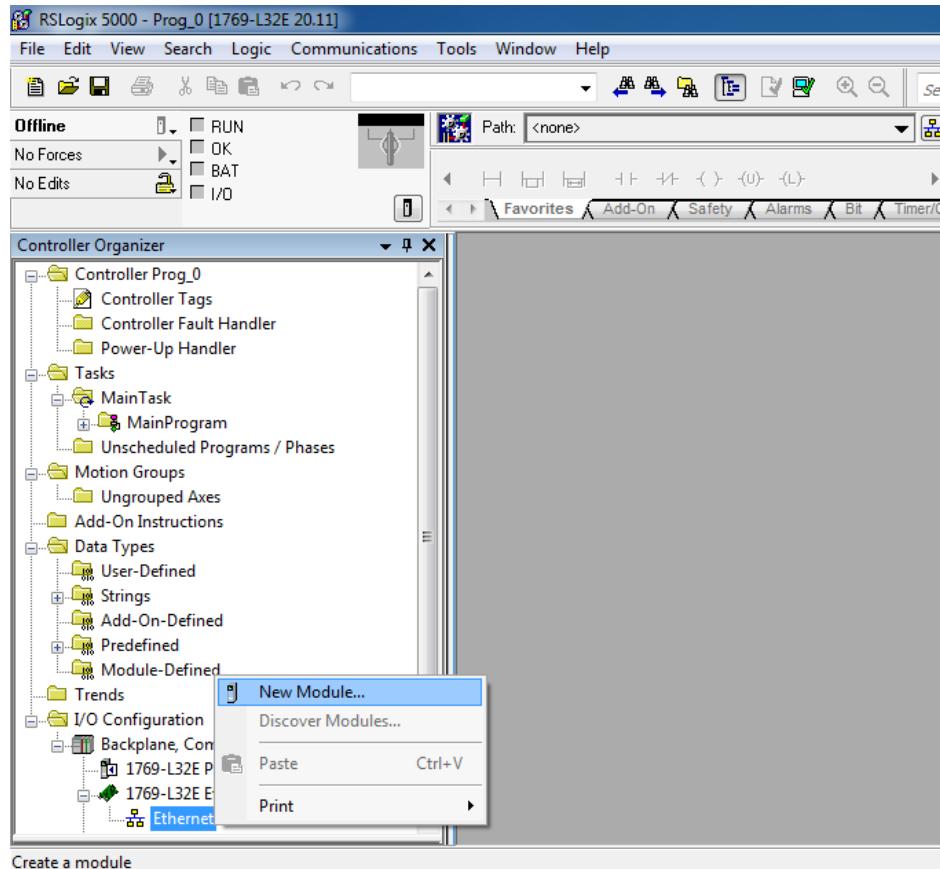
# Existem duas formas de adicionar a REMOTA a arquitetura do projeto

## IL EIP BK DI8 DO4 2TX-PAC



Adicionar um hardware como  
módulo ethernet genérico

# Adicionar a REMOTA como módulo ethernet genérico



# Adicionar a REMOTA como módulo ethernet genérico

Selecionar tipo de module

Catálogo Module Descoberta Favoritos

Digite o texto de pesquisa para o tipo de module... Limpar filtros Ocultar filtros

Module Type Category Filters

- CIP Motion Drive
- Communication
- Communications Adapter
- Controller

Module Type Vendor Filters

- Allen-Bradley
- Cognex Corporation
- Endress+Hauser
- Mettler-Toledo

Catalog Number	Description	Vendor	Category
0005_007B_0030	SP600	Reliance Electric	DPI to EtherNet/I
0005_007B_0038	SP600 ER 400V	Reliance Electric	DPI to EtherNet/I
0005_007B_0039	SP600 ER 200V	Reliance Electric	DPI to EtherNet/I
0005_007B_003A	SP600 ER 600V	Reliance Electric	DPI to EtherNet/I
0005_007B_0060	Liquiflo 2.0	Reliance Electric	DPI to EtherNet/I
0005_007F_0027	MD60	Reliance Electric	MDI to EtherNet/I

274 de 274 Tipos de module Encontrado

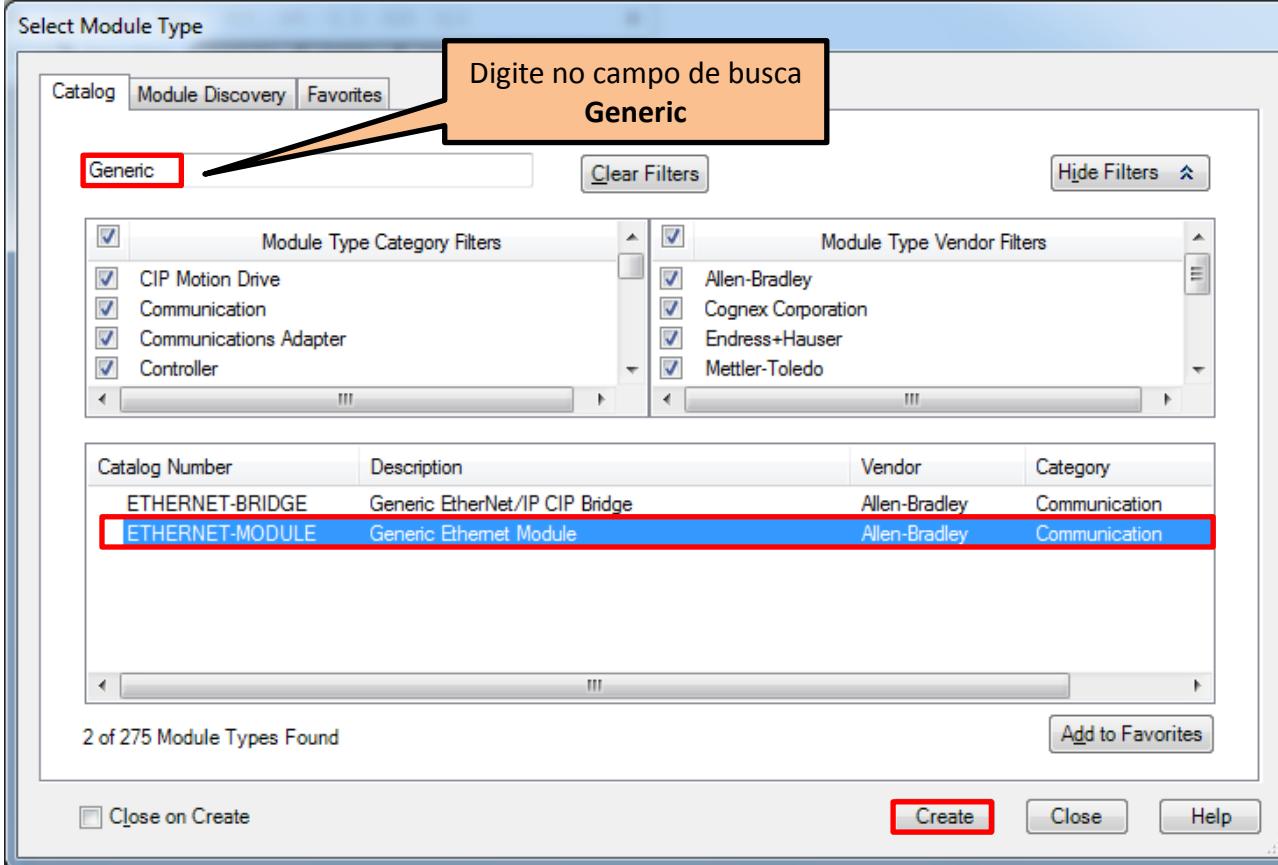
Fechar ao criar

Criar  Fechar  Ajuda

[Adicionar a Favoritos](#)

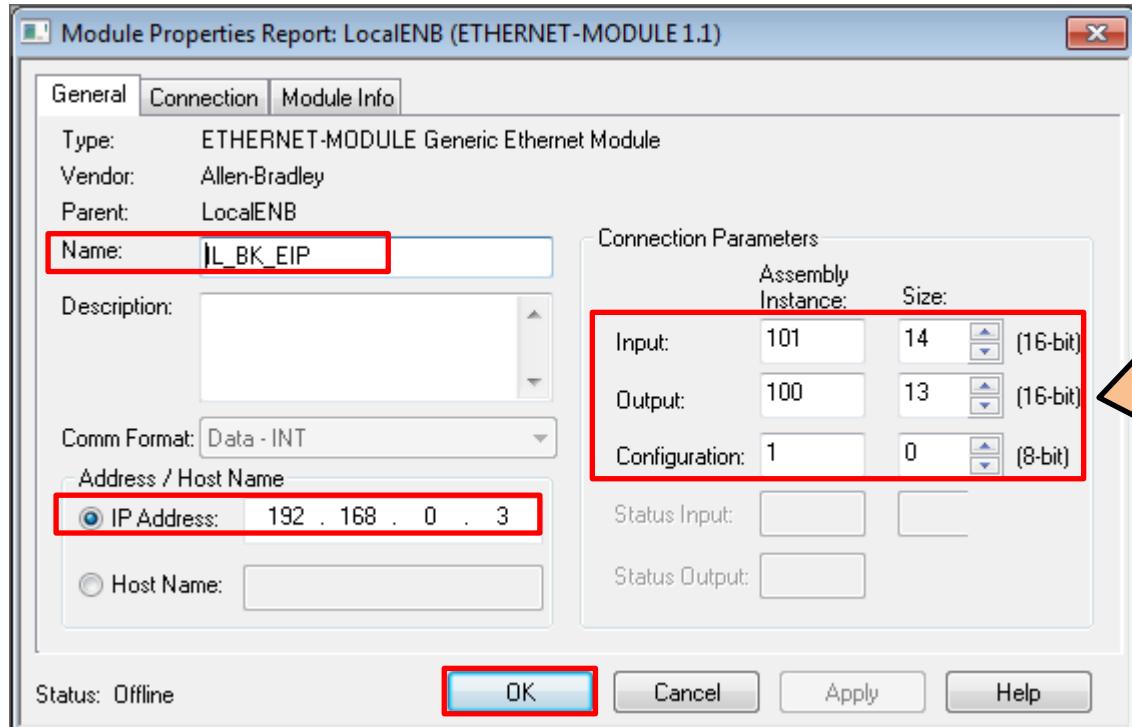
# Adicionar a REMOTA como módulo ethernet genérico

Digit no campo de busca  
Generic



Catalog Number	Description	Vendor	Category
ETHERNET-BRIDGE	Generic EtherNet/IP CIP Bridge	Allen-Bradley	Communication
ETHERNET-MODULE	Generic Ethernet Module	Allen-Bradley	Communication

# Adicionar a REMOTA como módulo ethernet genérico

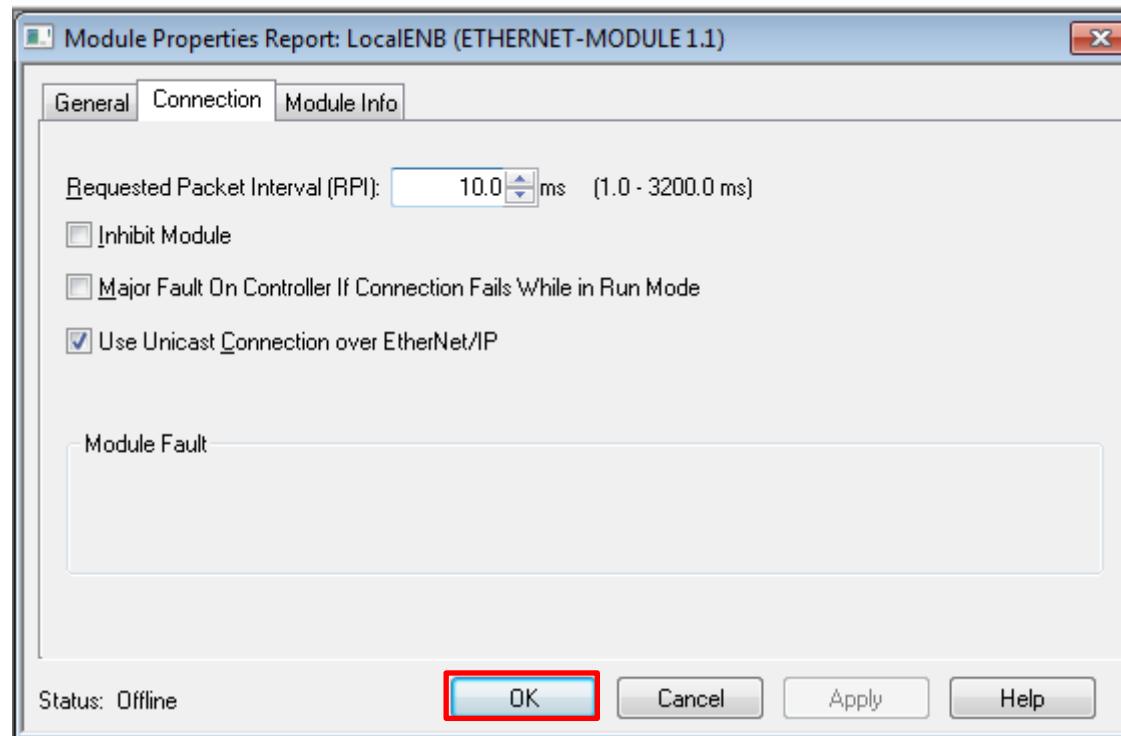


Reserva de memória necessária para dados de entrada e saída.

Configurar conforme visualizado na pagina web da REMOTA.

**OBS.** pagina web está em bytes e nas configurações do módulo está em INT

# Adicionar a REMOTA como módulo ethernet genérico



# Existem duas formas de adicionar a REMOTA a arquitetura do projeto

## IL EIP BK DI8 DO4 2TX-PAC



Adicionar um hardware  
através do seu arquivo EDS

# Baixar o arquivo EDS da REMOTA para ser importado no RSLogix5000

## Acoplador de Bus - IL EIP BK DI8 DO4 2TX-PAC - 2897758



Inline, Acoplador Bus, EtherNet/IP™, Suporte RJ45, Entradas digitais: 8, 24 V DC, tecnologia de conexão: 3 condutores, Saídas digitais: 4, 24 V DC, 500 mA, tecnologia de conexão: 3 condutores, velocidade de transmissão no bus local: 500 kBit/s / 2 MBit/s, grau de proteção: IP20, incluindo conectores Inline e campos de identificação

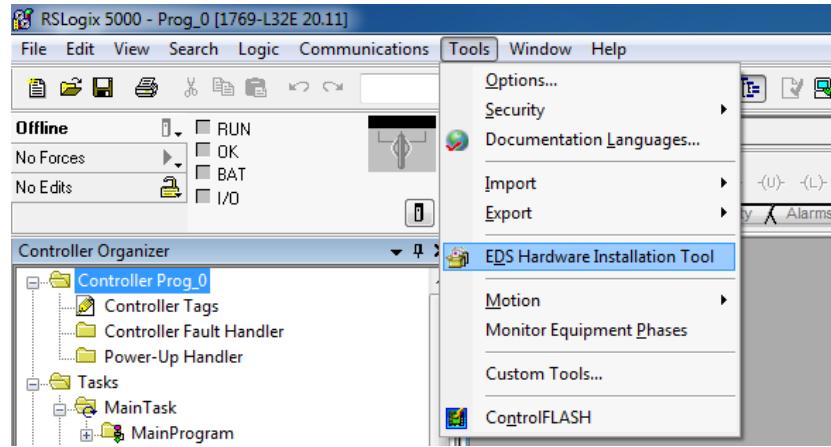
[Criar PDF](#)



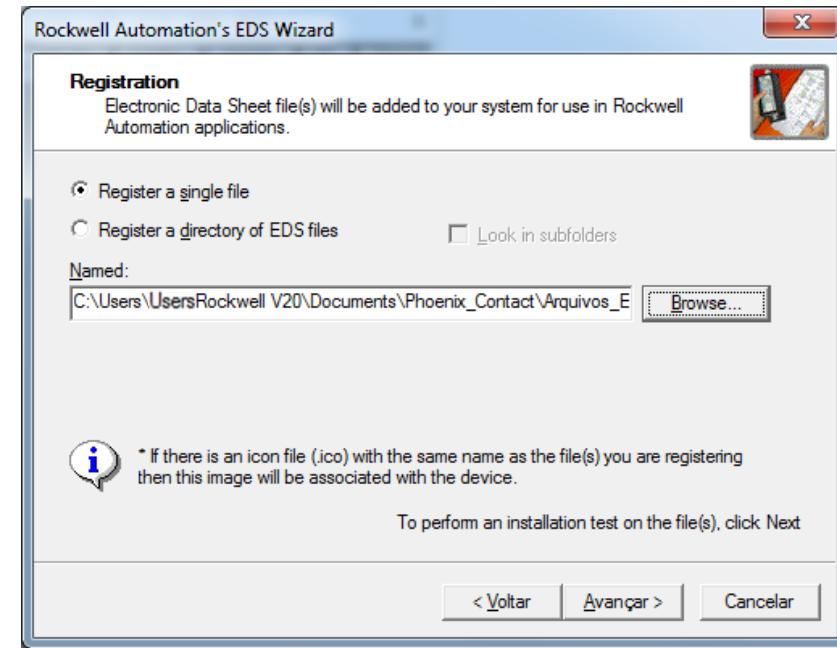
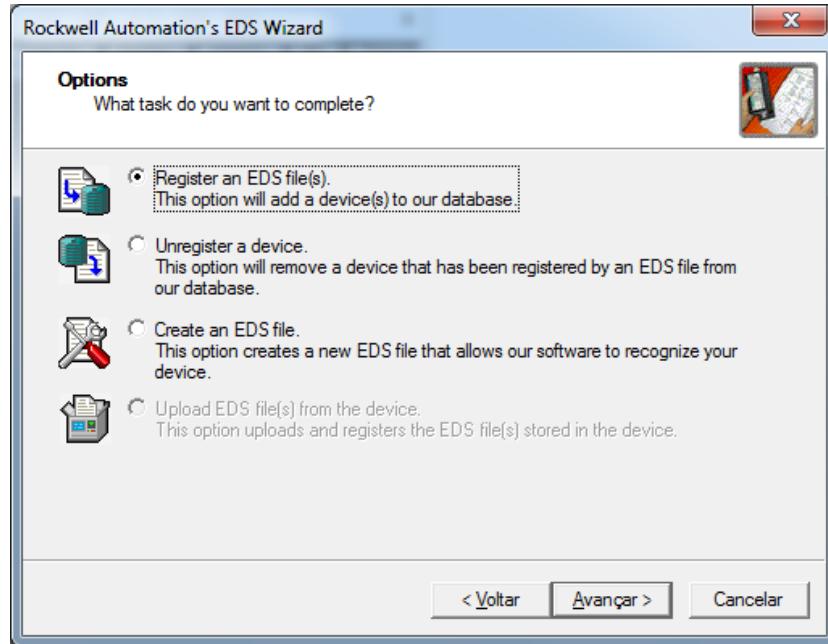
### Descrição do equipamento

	<b>Descrição</b>	<b>Idioma</b>	<b>Versão</b>
<input type="checkbox"/>	<a href="#">[zip, 6 KB] Descrição do equipamento</a> <a href="#">EDS-Datei für die Projektierung</a>  <b>SHA256 Checksum:</b> 4aca8e68e833d28a4cb667f448a57d33e6e3d945fa0b9e16b99ebb9caa4d869b <a href="#">IL_EIP_BK_DI8_DO4_EDS_V130.zip</a>	Internacional	1.30

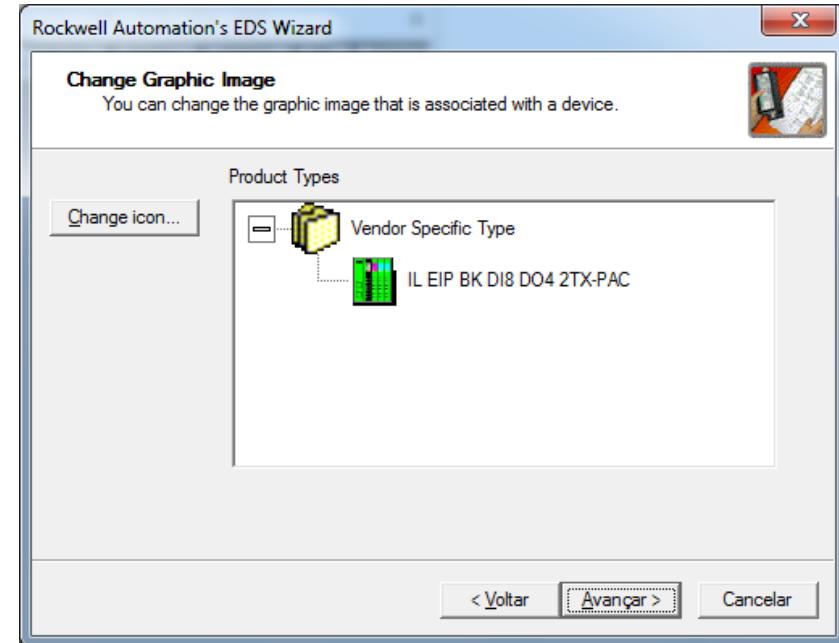
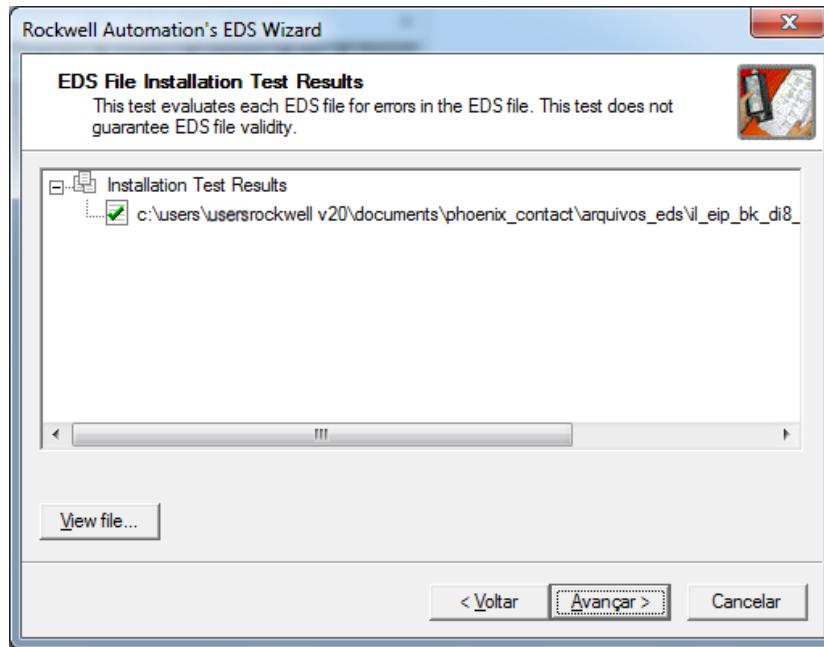
# Instalar o EDS do hardware IL EIP BK DI8 DO4 2TX-PAC



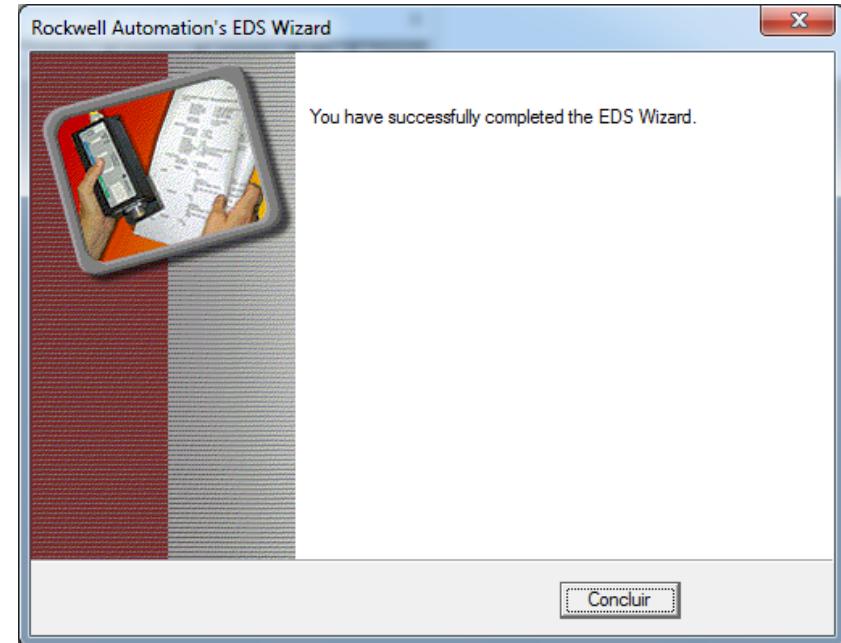
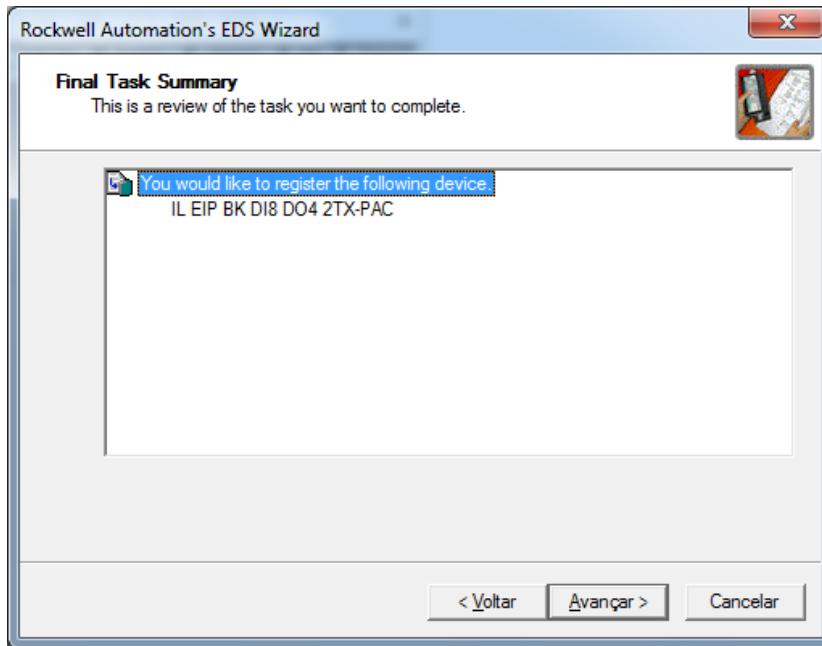
# Instalar o EDS do hardware IL EIP BK DI8 DO4 2TX-PAC



# Instalar o EDS do hardware IL EIP BK DI8 DO4 2TX-PAC



# Instalar o EDS do hardware IL EIP BK DI8 DO4 2TX-PAC



# Adicionar a REMOTA IL EIP BK DI8 DO4 2TX-PAC a arquitetura do projeto

Selecionar tipo de module

Catálogo Module Descoberta Favoritos

Digite o texto de pesquisa para o tipo de module... Limpar filtros

Module Type Category Filters

- CIP Motion Drive
- Communication
- Communications Adapter
- Controller

Module Type Vendor Filters

- Mettler-Toledo
- Parker Hannifin Corporation
- Phoenix Contact
- Prosoft Technology

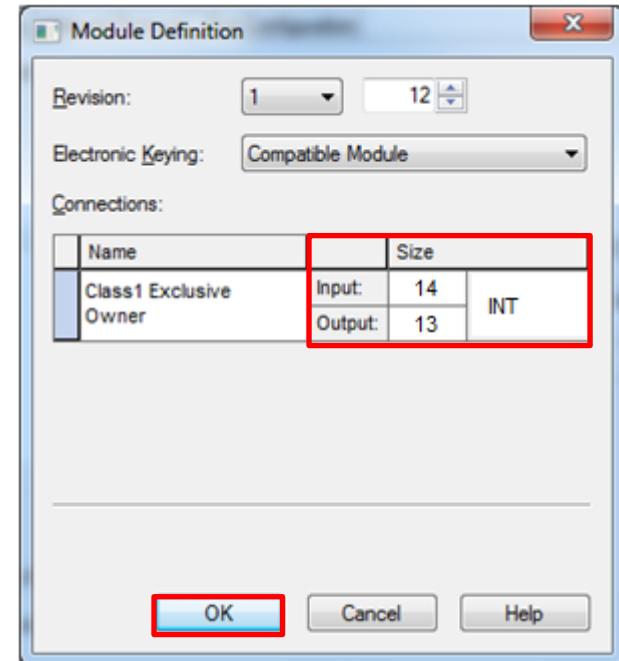
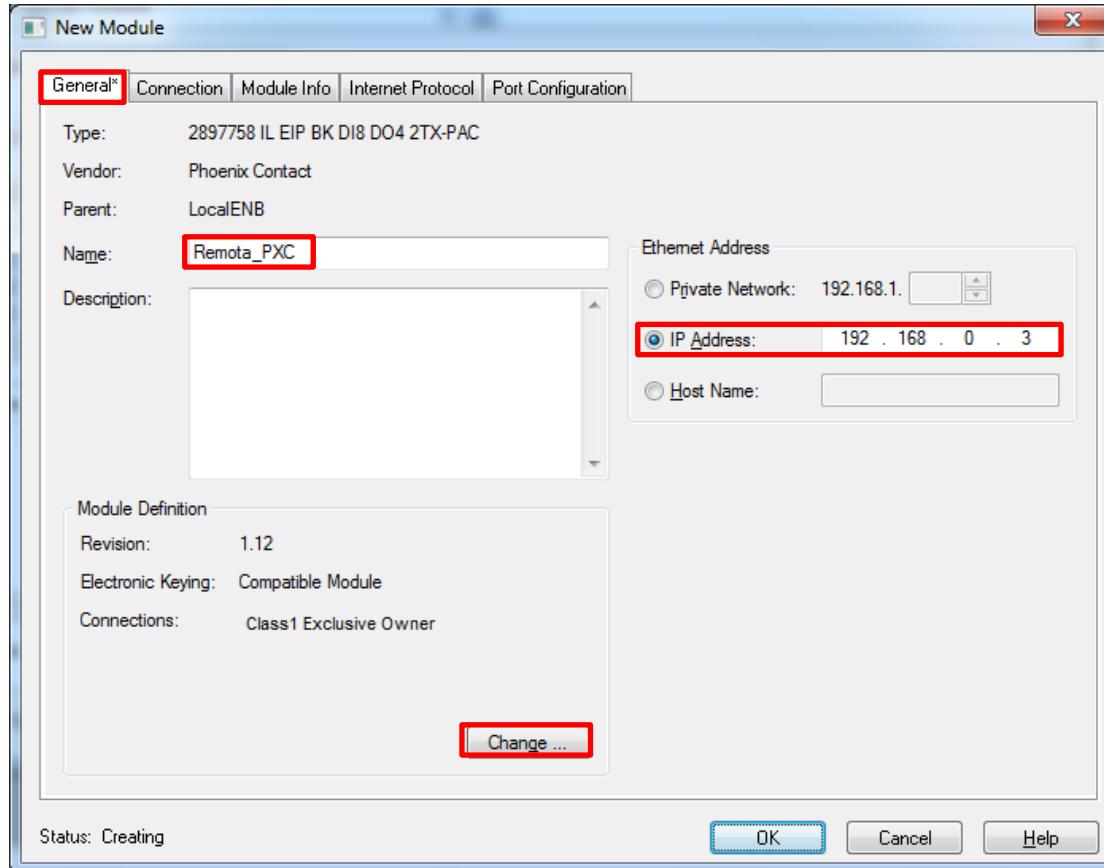
Desmarque o checkbox e role a lista de fabricantes até encontrar **Phoenix Contact**

Catalog Number	Description	Vendor	Category
2897758	IL EIP BK DI8 DO4 2TX-PAC	Phoenix Contact	Generic Device/key

1 de 274 Tipos de module Encontrado

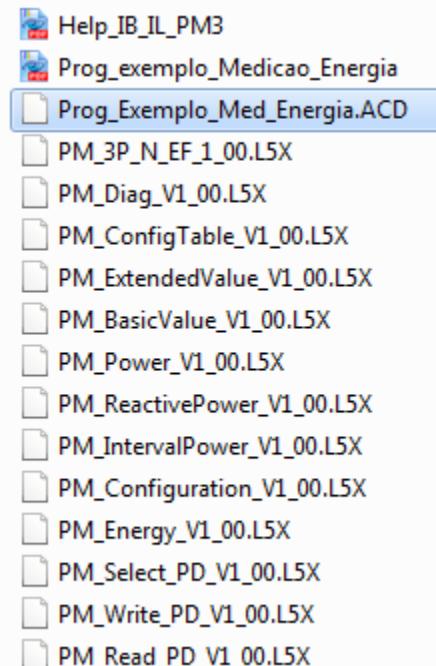
Fechar ao criar Criar Fechar Ajuda

# Adicionar a REMOTA IL EIP BK DI8 DO4 2TX-PAC a arquitetura do projeto



**Indicamos os testes iniciais sejam a partir do programa exemplo fornecido, juntamente com os Functions Blocks e suas respectivas configurações e os parâmetros de configuração e leitura.**

**Informações sobre os parâmetros de entrada e saída dos blocos, podem ser consultados no pdf “Help\_IB\_IL\_PM3”.**

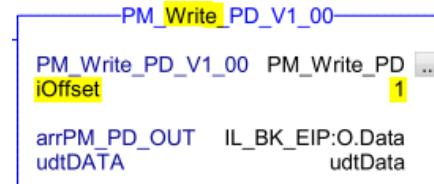
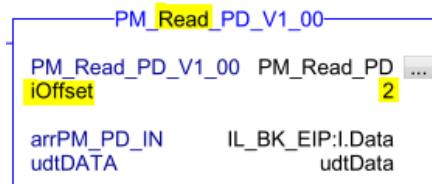


# Configuração do Offset do FB Read e Write.

Neste exemplo o cartão de medição de energia está acoplado imediatamente ao lado da cabeça de rede.

A cabeça de rede consome 2 words (IN) e 1 word (OUT).

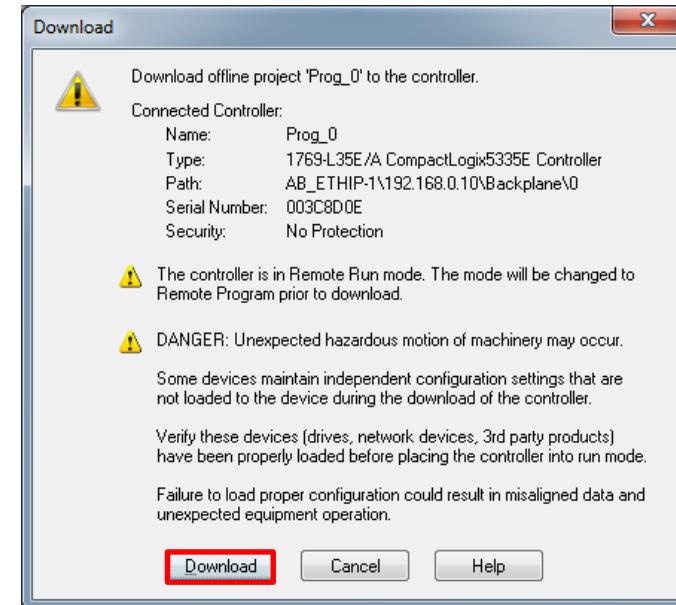
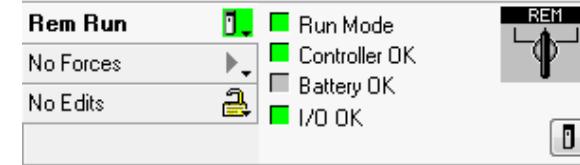
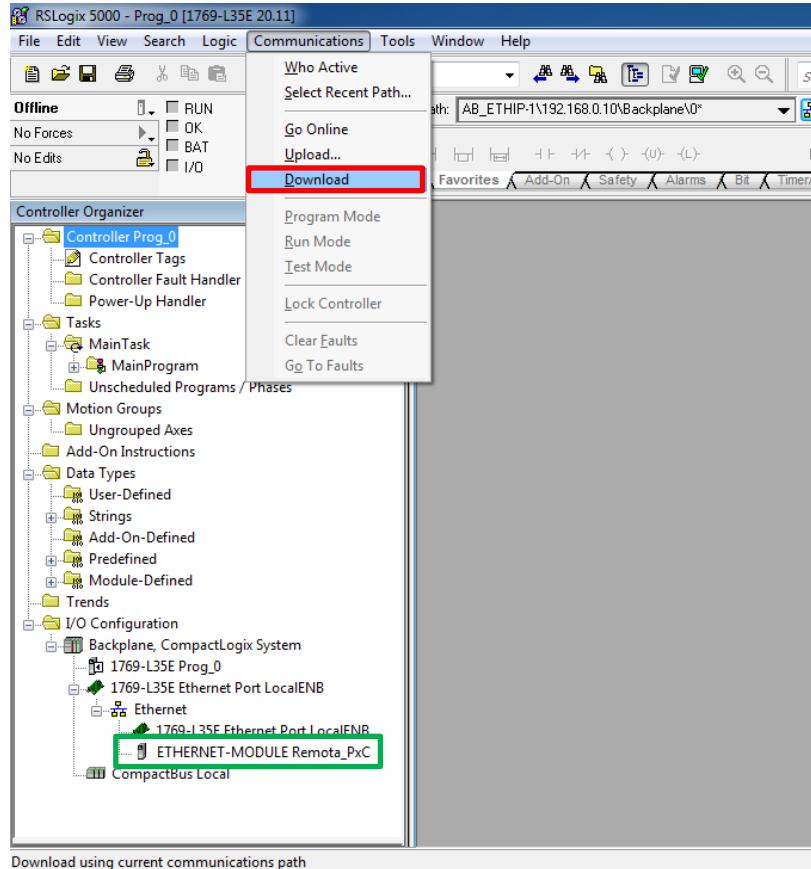
Por este motivo o Offset Read: 2 e o Offset Write: 1



O cartão de medição de energia consome 12 words (IN) e 12 words (OUT) .

A estação remota completa necessita de 14 words(IN) e 13 words(OUT) .

# Download das configurações para o CLP e status de configuração OK



# Grandezas Elétricas fornecidas pelo cartão de Medição de Energia

PM_BasicValue_V1_00		
PM_BasicValue_V1_00	PM_BasicValue_01	...
xActivate	xStatusRun	1
xReady	xReady_BasicValue	1
rVoltage_L1	rVoltage_L1	0.2
rVoltage_L2	rVoltage_L2	0.1
rVoltage_L3	rVoltage_L3	0.2
rCurrent_L1	rCurrent_L1	0.060000002
rCurrent_L2	rCurrent_L2	0.060000002
rCurrent_L3	rCurrent_L3	0.060000002
rCurrent_N	rCurrent_N	0.10000001
rActivePower_L1	rActivePower_L1	0.0
rActivePower_L2	rActivePower_L2	0.0
rActivePower_L3	rActivePower_L3	0.0
rActivePowerTotal	rActivePower_Total	0.0
udtDATA	udtData	

PM_ExtendedValue_V1_00		
PM_ExtendedValue_V1_00	PM_ExtendedValue_01	...
xActivate	xStatusRun	1
xReady	xReady_ExtendedValue	1
rVoltage_L12	rVoltage_L12	0.2
rVoltage_L23	rVoltage_L23	0.2
rVoltage_L31	rVoltage_L31	0.2
rCurrentFiltered_L1	rCurrentFiltered_L1	0.060000002
rCurrentFiltered_L2	rCurrentFiltered_L2	0.060000002
rCurrentFiltered_L3	rCurrentFiltered_L3	0.060000002
rCurrentFiltered_N	rCurrentFiltered_N	0.10000001
xS0_Out_Bit0	xS0_Out_Bit0	0
xS0_Out_Bit4	xS0_Out_Bit4	0
xS0_Out_Bit8	xS0_Out_Bit8	0
rFrequency	rFrequency	0.0
wEnergyDirection	wEnergyDirection	16#0000
udtDATA	udtData	

PM_Power_V1_00		
PM_Power_V1_00	PM_Power_01	...
xActivate	xStatusRun	1
xReady	xReady_Power	1
rReactivePower_L1	rReactivePower_L1	0.0
rReactivePower_L2	rReactivePower_L2	0.0
rReactivePower_L3	rReactivePower_L3	0.0
rApparentPower_L1	rApparentPower_L1	0.0
rApparentPower_L2	rApparentPower_L2	0.0
rApparentPower_L3	rApparentPower_L3	0.0
rApparentPowerTotal	rApparentPower_Total	0.0
rPowerFactor_L1	rPowerFactor_L1	1.0
rPowerFactor_L2	rPowerFactor_L2	1.0
rPowerFactor_L3	rPowerFactor_L3	1.0
rPowerFactorTotal	rPowerFactor_Total	1.0
udtDATA	udtData	

# Grandezas Elétricas fornecidas pelo cartão de Medição de Energia

PM_Energy_V1_00	
PM_Energy_V1_00	xActivate
xActivate	xStatusRun
	1
xReady	xReady_Energy
	1
rActiveEnergyInput	rActiveEnergyInput
	0.0
rActiveEnergyOutput	rActiveEnergyOutput
	0.0
rReactiveEnergyInductive	rReactiveEnergyInductive
	0.0
rReactiveEnergyCapacitive	rReactiveEnergyCapacitive
	0.0
udiOperatingTime	udiOperatingTime
	0
udtDATA	udtData

PM_IntervalPower_V1_00	
PM_IntervalPower_V1_00	xActivate
xActivate	xStatusRun
	1
xReady	xReady_IntervalPower
	1
rActualIntervalActivePower	rActualIntervalActivePower
	0.0
rActualIntervalReactivePower	rActualIntervalReactivePower
	0.0
rActualIntervalApparentPower	rActualIntervalApparentPower
	0.0
rElapsedIntervalActivePower	rElapsedIntervalActivePower
	0.0
rElapsedIntervalReactivePower	rElapsedIntervalReactivePower
	0.0
rElapsedIntervalApparentPower	rElapsedIntervalApparentPower
	0.0
rMaxIntervalActivePower	rMaxIntervalActivePower
	0.0
rMaxIntervalReactivePower	rMaxIntervalReactivePower
	0.0
rMaxIntervalApparentPower	rMaxIntervalApparentPower
	0.0
udtDATA	udtData

PM_ReactivePower_V1_00	
PM_ReactivePower_V1_00	xActivate
xActivate	xStatusRun
	1
xReady	xReady_ReactivePower
	0
rDistortReactPower1	rDistortReactPower1
	0.0
rDistortReactPower2	rDistortReactPower2
	0.0
rDistortReactPower3	rDistortReactPower3
	0.0
rReactivePower1Std	rReactivePower1Std
	0.0
rReactivePower2Std	rReactivePower2Std
	0.0
rReactivePower3Std	rReactivePower3Std
	0.0
rTotalReactivePower	rTotalReactivePower
	0.0
rCosPhi1	rCosPhi1
	0.0
rCosPhi2	rCosPhi2
	0.0
rCosPhi3	rCosPhi3
	0.0
udtDATA	udtData



***INSPIRING INNOVATIONS***

[www.phoenixcontact.com.br](http://www.phoenixcontact.com.br)