

User Manual

Revision 1.001 English

User Manual OPC UA Client / EtherNet/IP Slave

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⊕

- Power Supply 18...35V DC and 8...24 V AC
- Temperature range: -40°C/+85°C (-40°F/+185°F)



User Manual



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UPDATED DOCUMENTATION:

Dear customer, we thank you for your attention and we remind you that you need to check that the following document is:

- + Updated
- Related to the product you own

To obtain the most recently updated document, note the "document code" that appears at the top right-hand corner of each page of this document.

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REVISION LIST:

Revision	Date	Author	Chapter	Description
1.000	13/03/2019	Tf/Ff	All	First release version
1.001	22/04/2020	Ff	All	Revision

WARNING:

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SECURITY ALERT:

GENERAL INFORMATION

To ensure safe operation, the device must be operated according to the instructions in the manual. When using the device, legal and safety regulation are required for each individual application. The same applies also when using accessories.

INTENDED USE

Machines and systems must be designed so the faulty conditions do not lead to a dangerous situation for the operator (i.e. independent limit switches, mechanical interlocks, etc.).

QUALIFIED PERSONNEL

The device can be used only by qualified personnel, strictly in accordance with the specifications.

Qualified personnel are persons who are familiar with the installation, assembly, commissioning and operation of this equipment and who have appropriate qualifications for their job.

RESIDUAL RISKS

The device is state-of-the-art and is safe. The instruments can represent a potential hazard if they are inappropriately installed and operated by untrained personnel. These instructions refer to residual risks with the following symbol:

This symbol indicates that non-observance of the safety instructions is a danger for people that could lead to serious injury or death and / or the possibility of damage.

CE CONFORMITY

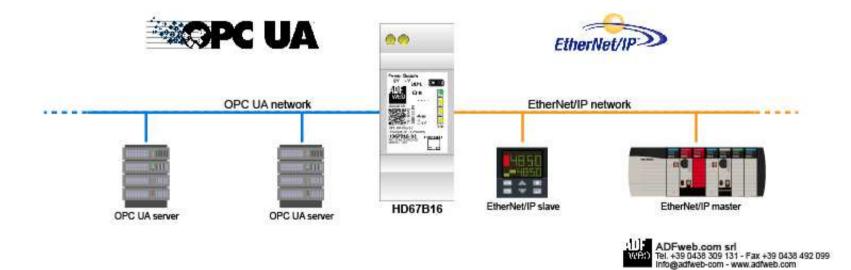
The declaration is made by our company. You can send an email to or give us a call if you need it.



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EXAMPLE OF CONNECTION:





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CONNECTION SCHEME:

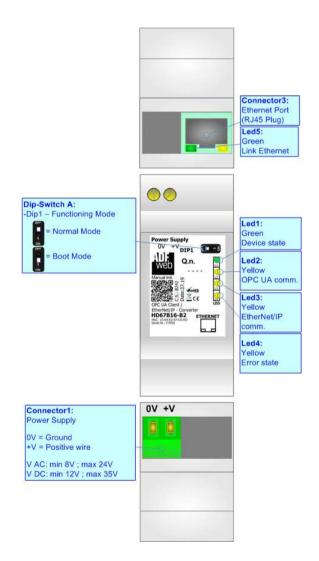


Figure 1: Connection scheme for HD67B16-B2



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CHARACTERISTICS:

The HD67B16-B2 is a OPC UA Client / EtherNet/IP Slave converter.

It allows the following characteristics:

- ✤ Up to 1500 bytes in reading and 1500 bytes in writing;
- ✤ Two-directional information between EtherNet/IP and OPC UA;
- ✤ Mountable on 35mm Rail DIN;
- ✤ Wide power supply input range: 8...24V AC or 12...35V DC;
- ➡ Wide temperature range: -40°C / 85°C [-40°F / +185°F].

CONFIGURATION:

You need Compositor SW67B16 software on your PC in order to perform the following:

- Define the parameter of the OPC UA;
- Define the parameter of the EtherNet/IP;
- Define the list of OPC UA servers connected to the converter;
- Update the device.



POWER SUPPLY:

The devices can be powered between a wide range of tensions. For more details see the two tables below.

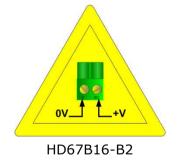
	VAC	\sim	VDC	
	Vmin	Vmin Vmax		Vmax
HD67B16-B2	8V	24V	12V	35V

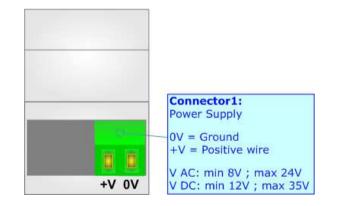
Consumption at 24V DC:

Device	W/VA
HD67B16-B2	4



Caution: Not reverse the polarity power







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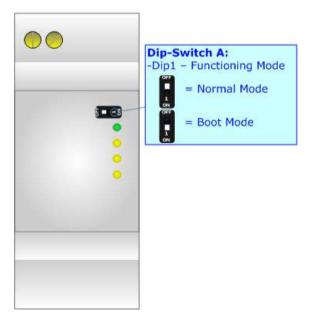
FUNCTION MODES:

The device has got two functions mode depending of the position of the Dip1 of 'Dip-Switch A':

- The first, with Dip1 in Off position (factory setting), is used for the normal working of the device.
- The second, with Dip1 in On position, is used for upload the Project/Firmware.

For the operations to follow for the updating (see 'UPDATE DEVICE' section).

According to the functioning mode, the LEDs will have specifics functions (see 'LEDS' section).



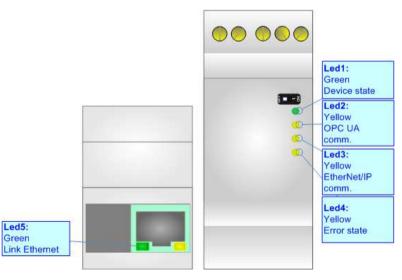


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LEDS:

The device has got six LEDs that are used to give information of the functioning status. The various meanings of the LEDs are described in the table below.

LED	Normal Mode	Boot Mode
1: Device State (green)	Blinks slowly (~1Hz)	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
2: OPC UA comm. (yellow)	Flashing: OPC UA response OFF: No OPC UA response	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
3: EtherNet/IP comm. (yellow)	Flashing: EtherNet/IP communication OFF: No EtherNet/IP communication	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
4: Error state (yellow)	ON: At least one OPC UA Server is disconnected OFF: all OPC UA Servers are connected	Blinks quickly: Boot state Blinks very slowly (~0.5Hz): update in progress
5: Link Ethernet (green)	ON: Ethernet cable connected OFF: Ethernet cable disconnected	ON: Ethernet cable connected OFF: Ethernet cable disconnected

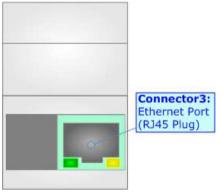




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ETHERNET:

The Ethernet connection must be made using Connector3 of HD67B16-B2 with at least a Category 5E cable. The maximum length of the cable should not exceed 100m. The cable has to conform to the T568 norms relative to connections in cat.5 up to 100 Mbps. To connect the device to an Hub/Switch is recommended the use of a straight cable, to connect the device to a PC/PLC/other is recommended the use of a cross cable.





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USE OF COMPOSITOR SW67B16:

To configure the Converter, use the available software that runs with Windows called SW67B16. It is downloadable on the site <u>www.adfweb.com</u> and its operation is described in this document. (*This manual is referenced to the last version of the software present on our web site*). The software works with MSWindows (XP, Vista, Seven, 8, 10; 32/64bit).

When launching the SW67B16, the window below appears (Fig. 2).



It is necessary to have installed .Net Framework 4.

Web ADFweb.	com - Configurator SW67B16 - OCP UA Client / EtherNet/IP	X
	67B16 Client / EtherNet/IP - Converter	
Begin	Opened Configuration of the Converter : Example1	
Step 1	New Configuration]
Step 2	Set Communication	
Step 3	OPC UA Client Access	
Step 4	X Update Device UDP	www.ADFweb.com

Figure 2: Main window for SW67B16

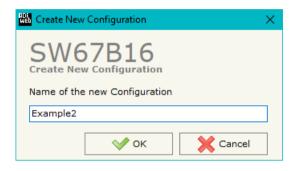


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NEW CONFIGURATION / OPEN CONFIGURATION:

The **"New Configuration**" button creates the folder which contains the entire device's configuration.



A device's configuration can also be imported or exported:

- To clone the configurations of a programmable "OPC UA Client / EtherNet/IP Slave -Converter" in order to configure another device in the same manner, it is necessary to maintain the folder and all its contents;
- To clone a project in order to obtain a different version of the project, it is sufficient to duplicate the project folder with another name and open the new folder with the button "Open Configuration".

Den Configuration	—		×
SW67B16 Open an Existing Configuration			
List of Avaliable Configurations			
Example1 Example2 Example3			
✓ ок		Cance	el



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Software Options

SOFTWARE OPTIONS:

By pressing the **"Settings**" (^(N)) button there is the possibility to change the language of the software and check the updatings for the compositor.

In	the	section	"Language"	it	is	possible	to	change	the	language	of	the
sof	twar	e.										

	67B16
Language	Connection Options Software Settings
Selected	Language :
	English
	Page 1 / 1
V	OK X Cancel

Web Software	Options		×
	67B16		
Language	Connection Options	Software Settings	
🗹 Enable	Internet Connection		
⊡ ⊂ł	neck Software Update	at Start of Program	
•	💫 Check Available U	pdate	
V	ок 🔀 с	ancel	

In the section "Connection Options", it is possible to check if there are some updatings of the software compositor in ADFweb.com website. Checking the option "**Check Software Update at Start of Program**", the SW67B16 check automatically if there are updatings when it is launched.



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Web Software Options		×
SW67B16		
Language Connection Optic	ons Software Settings	
☐ Jump into next field in th ☐ Enable Auto Size of Tabl		
🗸 ок	Cancel	

In the section "Software Settings", it is possible to enable/disable some keyboard's commands for an easier navigation inside the tables contained in the different sections of the software.



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SET COMMUNICATION:

This section define the fundamental communication parameters of two buses, OPC UA Client and EtherNet/IP.

By Pressing the "**Set Communication**" button from the main window for SW67B16 (Fig. 2) the window "Set Communication" appears (Fig. 3).

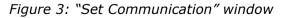
The means of the fields for "OPC UA Client" are:

- In the field "IP Address" the IP address for OPC UA side of the converter is defined;
- In the field "SubNet Mask" the SubNet Mask for OPC UA side of the converter is defined;
- In the field "Gateway" the default gateway of the net is defined. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net;
- In the field "DNS" the IP Address of the DNS server is defined. This feature can be enabled or disabled pressing the Check Box field.

The means of the fields for "EtherNet/IP" are:

- In the field "IP Address" the IP address for EtherNet/IP side of the converter is defined;
- In the field "SubNet Mask" the SubNet Mask for EtherNet/IP side of the converter is defined;
- In the field "Gateway" the default gateway of the net is defined. This feature can be enabled or disabled pressing the Check Box field. This feature is used for going out of the net;
- In the field "Diagnostic Port" the port used for diagnostic features is defined;
- In the fields "Number Byte IN" the number of input byte of the slave station is defined;
- In the fields "Number Byte Out" the number of output byte of the slave station is defined.

Web Set Communication		×
SW67B16	ing	
1. OPC UA Client		E
IP Address	192 . 168 . 0 . 5	
SubNet Mask	255 .255 .255 .0	
Gateway	192 .168 .0 .1	
DNS	8.8.8.8	
2. EtherNet/IP		E
IP Address	192 . 168 . 0 . 10	
SubNet Mask	255 .255 .255 .0	
Gateway	192 .168 .0 .1	
Diagnostic Port	2000	
Number Bytes Input	496	
Number Bytes Output	496	
3. NTP (Network	Time Protocol)	E
Server URL	pool.ntp.org	
Poll Time (seconds)	10000	
	🗸 ок 🕺 Са	ancel





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The means of the fields for "NTP (Network Time Protocol)" are:

- ✤ In the field "Server URL" the URL or the IP Address of the NTP Server is defined;
- ✤ In the field "Poll Time (seconds)" the polling time for the time synchronization is defined.



OPC UA ACCESS:

By Pressing the "**OPC UA Client Access**" button from the main window for SW67B16 (Fig. 2) the window "OPC UA Client Access" appears (Fig. 4).

This section is used to define the list of the OPC UA Servers to read/write with the OPC UA Client.

	P UA Che	ent Access												×
		7B16												
	UA Serv						200103-000M90100-0	15	2		1		4	15
		Server Address		Authorization	User	Password	Certificate	Priva		Security Type	Securit	y Policy	Mnemonic	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	opc.tcp://192.168.2		Anonymous						None	None			
		opc.tcp://192.168.2	. 184: 4840	Username and	root	root				None	None		a1	
OPC	VA Vari	ables List	odify	X Delete	Scan									
aria	UA Vari bles in I	(1995)		X Delete	Var Type	Name Space Index	On Change	On CMD	On Timer	Time (ms)	Position	Mnem	onic	
aria	UA Vari bles in I	ables List Read Variables	in Write		1	Name Space Index	On Change	On CMD	On Timer	Time (ms) 5000	Position 0	Mnem b1	onic	
aria	UA Vari bles in I Enable	ables List Read Variables Display Name	in Write Node Type	Node ID	Var Type				y y		1000 000 00 000 000	Contraction of	onic	
aria	UA Vari bles in I Enable	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
aria	UA Vari bles in I Enable	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
aria	UA Vari bles in I Enable	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
aria I I I I I I I I I I I I I I I I I I I	UA Vari bles in F Enable Ø Ø Ø Ø	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
Yaria I I I I I I I I I I I I I I I I I I I	UA Vari bles in I Enable Ø Ø Ø Ø Ø Ø Ø	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
aria I I I I I I I I I I I I I I I I I I I	UA Vari bles in I Enable M M M M M M M M M M M M M M M M M M M	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
/aria 4 2 3 4 5 5 7 3 3	UA Vari bles in I Enable V V V V V V V V V V V V V V V V V	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	
	UA Vari bles in I Enable M M M M M M M M M M M M M M M M M M M	ables List Read Variables Display Name R_Byte_68	in Write Node Type String	Node ID S7.Tabella delle	Var Type UInt8	2				5000	0	b1	onic	

Figure 4: "OPC UA Client Access" window



By clicking on "Add", it is possible to add a new OPC UA Server inserting its characteristics (Server Address, Authorization, Security Type...). The window "Add OPC UA Server" appears (Fig. 5). By clicking on "Modify", it is possible to change these characteristics for the selected Server. The window "Modify OPC UA Server" appears (Fig. 6).

🟙 Add OPC UA Server 🛛 🕹 🗙	🟙 Modify OPC UA Server
SW67B16 OCP UA Client Access	SW67B16
Enable OPC UA Server	Enable OPC UA Server
Server Address opc.tcp://192.168.2.58:4840	Server Address opc.tcp://192.168.2.58
Authorization Anonymous ~	Authorization Anonymous ~
Security Type None ~	Security Type None ~
Security Policy None ~	Security Policy None ~
Mnemonic	Mnemonic
OK Cancel	Cancel

Figure 5: "Add OPC UA Server"

Figure 6:	"Modify	OPC	UA	Server
-----------	---------	-----	----	--------



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By clicking on "Scan", it is possible to get the list of available variables from the selected Server. The window "Scan Server OPC UA" appears (Fig. 7).

S	W6	7B	16						
Sc	Read	Write	A Display Name	Node Type	Node Identifier	Data Type	Name Space Index	Read/Write	-
			Temperature	String	_System.General.Temperature	Float	3	Read	
			R_Byte_68	String	S7.Tabella delle variabili_1.R_Byte_68	UInt8	2	Read/Write	
			R_Byte_69	String	S7.Tabella delle variabili_1.R_Byte_69	UInt8	2	Read/Write	
			R_Word_70 String	String	S7.Tabella delle variabili_1.R_Word_70	UInt16	2	Read/Write	
			R_Real_72	String	S7.Tabella delle variabili_1.R_Real_72	UInt32	2	Read/Write	
			R_Int16_76	String	S7.Tabella delle variabili_1.R_Int16_76	UInt16	2	Read/Write	
			R_Int32_78	String	S7.Tabella delle variabili_1.R_Int32_78	UInt32	2	Read/Write	
			R_Bit_82.0	String	S7.Tabella delle variabili_1.R_Bit_82.0	Boolean	2	Read/Write	
_			R_Bit_82.1	String	S7.Tabella delle variabili_1.R_Bit_82.1	Boolean	2	Read/Write	_

Figure 7: "Scan Server OPC UA" window

The means of the checkboxes inside the table are:

- If the field "Read" is checked, the variable can be read;
- ✤ If the field "Write" is checked, the variable can be written.



For each variable, it is possible to uncheck these fields and the variable will not be used in read/write.



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After the scan, the selected variables will appear in "Variables in Read" and/or "Variables in Write" sections, in the lower part of the window "OPC UA Client Access" (Fig. 4).

The "Variables in Read" section is used to define the OPC UA variables to make available on EtherNet/IP side (Fig. 8).

N	Enable	Display Name	Node Type	Node ID	Var Type	Name Space Index	Time (ms)	Position	Mnemonic	
1		Temperature	String	_System.General.T	Float	3	1000	0		
2		R_Byte_68	String	S7.Tabella delle	UInt8	2	2000	4		
3		R_Byte_69	String	S7.Tabella delle	UInt8	2	2000	5		
4		R_Word_70	String	S7.Tabella delle	UInt16	2	2000	6		
5		R_Real_72	String	S7.Tabella delle	UInt32	2	2000	8		
6		R_Int16_76	String	S7.Tabella delle	UInt16	2	2000	12		
7		R_Int32_78	String	S7.Tabella delle	UInt32	2	2000	14		
8		R_Bit_82.0	String	S7.Tabella delle	Boolean	2	2000	18		
9		R_Bit_82.1	String	S7.Tabella delle	Boolean	2	2000	19		
10		R_Bit_82.2	String	S7.Tabella delle	Boolean	2	2000	20		
11		R_Bit_82.3	String	S7.Tabella delle	Boolean	2	2000	21		

Figure 8: "Variables in Read" section

The means of the fields are:

- If the field "Enable" is checked, the OPC UA variable is enabled;
- In the field "Display name" the name of the OPC UA variable is defined;
- In the field "Node Type " the type of the OPC UA node, which includes the variable, is defined;
- In the field "Node ID" the name of the OPC UA node, which includes the variable, is defined;
- In the field "Var Type" the data format of the OPC UA variable is defined;
- In the field "Name Space Index" the Name Space Index of the node, which includes the variable, is defined;
- In the field "Time (ms)" the delay in ms between two readings of the variable is defined;
- In the field "Position" the starting byte of the EtherNet/IP array where saving the value is defined;
- ✤ In the field "Mnemonic" a description of the variable is defined.



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The "Variables in Write" section is used to define the OPC UA variables to write from EtherNet/IP side (Fig. 9).

N	Enable	Display Name	Node Type	Node ID	Var Type	Name Space Index	On Change	On CMD	On Timer	Time (ms)	Position	Mnemonic	
L ₂		R_Byte_68	String	S7.Tabella delle	UInt8	2				0	0		
2		R_Byte_69	String	S7.Tabella delle	UInt8	2				0	1		
3		R_Word_70	String	S7.Tabella delle	UInt16	2				0	2		
4		R_Real_72	String	S7.Tabella delle	UInt32	2				0	4		
5		R_Int16_76	String	S7.Tabella delle	UInt16	2				0	8		
6		R_Int32_78	String	S7.Tabella delle	UInt32	2				0	10		
7		R_Bit_82.0	String	S7.Tabella delle	Boolean	2				0	14		
8		R_Bit_82.1	String	S7.Tabella delle	Boolean	2				0	15		
9		R_Bit_82.2	String	S7.Tabella delle	Boolean	2				0	16		
10		R_Bit_82.3	String	S7.Tabella delle	Boolean	2				0	17		
11		R_Bit_82.4	String	S7.Tabella delle	Boolean	2				0	18		

Figure 9: "Variables in Write" section

In "Variables in Write" section (Fig. 8), the means of the fields are:

- If the field "Enable" is checked, the OPC UA variable is enabled;
- In the field "Display name" the name of the OPC UA variable is defined;
- In the field "Node Type " the type of the OPC UA node, which includes the variable, is defined;
- In the field "Node ID" the name of the OPC UA node, which includes the variable, is defined;
- In the field "Var Type" the data format of the OPC UA variable is defined;
- In the field "Name Space Index" the Name Space Index of the node, which includes the variable, is defined;
- ✤ If the field "On Change" is checked, the OPC UA variable is sent when the data on EtherNet/IP changes the value;
- ✤ If the field "On CMD" is checked, the OPC UA variable is sent when a EtherNet/IP explicit request is received;
- If the field "On Timer" is checked, the OPC UA variable is sent cyclically;
- In the field "Time (ms)" the delay in ms between two writings of the variable is defined (if "On Timer" is checked);



- In the field "Position" the starting byte of the EtherNet/IP array where getting the value is defined;
- ✤ In the field "Mnemonic" a description of the variable is defined.

By clicking on "Auto Pos", the position of the internal memory arrays where saving/getting the value of variable is automatically calculated.

Note:

A variable can be added manually in "Variables in Read" and/or "Variables in Write" sections without scanning the OPC UA Server.



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UPDATE DEVICE:

By pressing the "**Update Device**" button, it is possible to load the created Configuration into the device; and also the Firmware, if necessary. This by using the Ethernet port.

If you don't know the actual IP address of the device you have to use this procedure:

- Turn OFF the Device;
- Put Dip1 of 'Dip-Switch A' in ON position;
- Turn ON the device
- Connect the Ethernet cable;
- Insert the IP "192.168.2.205";
- Select which operations you want to do;
- Press the "Execute update firmware" button to start the upload;
- When all the operations are "OK" turn OFF the Device;
- Put Dip1 of 'Dip-Switch A' in OFF position;
- Turn ON the device.

If you know the actual IP address of the device, you have to use this procedure:

- Turn ON the Device with the Ethernet cable inserted;
- Insert the actual IP of the Converter;
- Select which operations you want to do;
- Press the "Execute update firmware" button to start the upload;
- ✤ When all the operations are "OK" the device automatically goes at Normal Mode.

At this point the configuration/firmware on the device is correctly updated.

Update Device by Ethernet (UDP)	×						
SW67B16 Update Device Using the Ethernet Port							
Insert the IP Address of Device 192 . 168 . 2 . 205 Select Update Options							
Firmware + Configuration							
Read Back							
Cancel							
👪 ADFweb.com - SW67B16 Ethernet Update	×						
ADI WED.COM - SWOTD TO EMEMIEL OPUBLE							
INIT : Waiting	Ver. 1.602						
	Ver. 1.602						
INIT : Waiting	Ver. 1.602						

Figure 10: "Update device" windows



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/ <u>Note:</u>

When you receive the device, for the first time, you also have to update the Firmware in the HD67B16 device.

Warning:

If Fig. 11 appears when you try to do the Update try these points before seeking assistance:

- Check if the serial cable is connected between the PC and the device;
- Try to repeat the operations for the updating;
- Try with another PC;
- Try to restart the PC;
- Check the LAN settings;
- If you are using the program inside a Virtual Machine, try to use in the main Operating System;
- If you are using Windows Seven, Vista, 8 or 10 make sure that you have the administrator privileges;
- In case you have to program more than one device, using the "UDP Update", you have to cancel the ARP table every time you connect a new device on Ethernet. For do this you have to launch the "Command Prompt" and write the command "arp -d". Pay attention that with Windows Vista, Seven, 8, 10 you have to launch the "Command Prompt" with Administrator Rights;
- Pay attention at Firewall lock.

ADFweb.com - SW67B16 Ethernet Update × INIT : Device Not Found Ver. 1.602 FIRMWARE : Waiting... PROJECT : Waiting... INIT : PROTECTION Ver. 1.602 FIRMWARE : Waiting... Ver. 1.602

Figure 11: "Error" window

Warning:

In the case of HD67B16 you have to use the software "SW67B16": <u>www.adfweb.com\download\filefold\SW67B16.zip</u>.



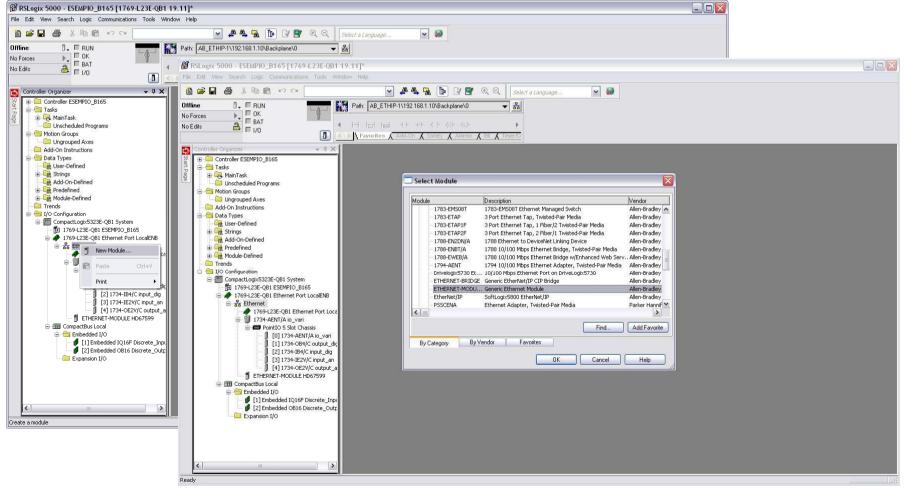
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PLC CONFIGURATION (for EtherNet/IP):

The configuration and commissioning of the EtherNet/IP Converter as described on the following pages was accomplished with the help of the "RSLogix 5000" software of Rockwell Automation. In case of using a control system from another supplier please attend to the associated documentation.

These are the steps to follow:

1) Create a "Generic Ethernet Module" under the Ethernet section in the I/O Configuration tree.





New Module						X
Type: Vendor: Parent: Na <u>m</u> e:	ETHERNET-MODULE Generic Etherne Allen-Bradley LocalENB HD67599	t Module	ameters Assembly			
Description:		lumide	Instance:	Size: 500	😩 (8-bit)	
		Input: Output:	100	500	🚖 (8-bit)	
Comm <u>F</u> ormat: <u>Address / H</u>		Configuration:	3	0	🗶 (8-bit)	
⊙ IP <u>A</u> ddre	ss: 192 . 168 . 0 . 5	<u>S</u> tatus Input:				
⊖ <u>H</u> ost Nar	ne:	Status Output:				
🗹 Open Modu	le Properties	ОК	Canc	el (Help	

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2) Edit the settings of the new Generic Ethernet Module. As shown in the screen shot below, the module was named "HD67B16" and the IP-address assigned is 192.168.0.5.

For the Comm Format "Data – SINT" shall be selected as the data type.

RSLogix 5000 requires a configuration assembly instance. Both modules do not provide a configuration assembly instance. Therefore it is allowed to select an instance of 3 and to set the value to zero.

3) The setting of 10msec for the "Requested Packet Interval (RPI)" is adequate but it is possible to change this value as required. A lower value of 2ms shall not be selected.

<u>Warning:</u> The field "Use Unicast Connection over EtherNet/IP" must be checked.

🗖 Module Properties: LocalENB (ETHERNET-MODULE 1.1)
General Connection Module Info
Bequested Packet Interval (RPI): 10.0 🗇 ms (1.0 - 3200.0 ms)
Major Fault On Controller If Connection Fails While in Run Mode
✓ Use Unicast <u>C</u> onnection over EtherNet/IP
Module Fault
Status: Running OK Cancel Apply Help



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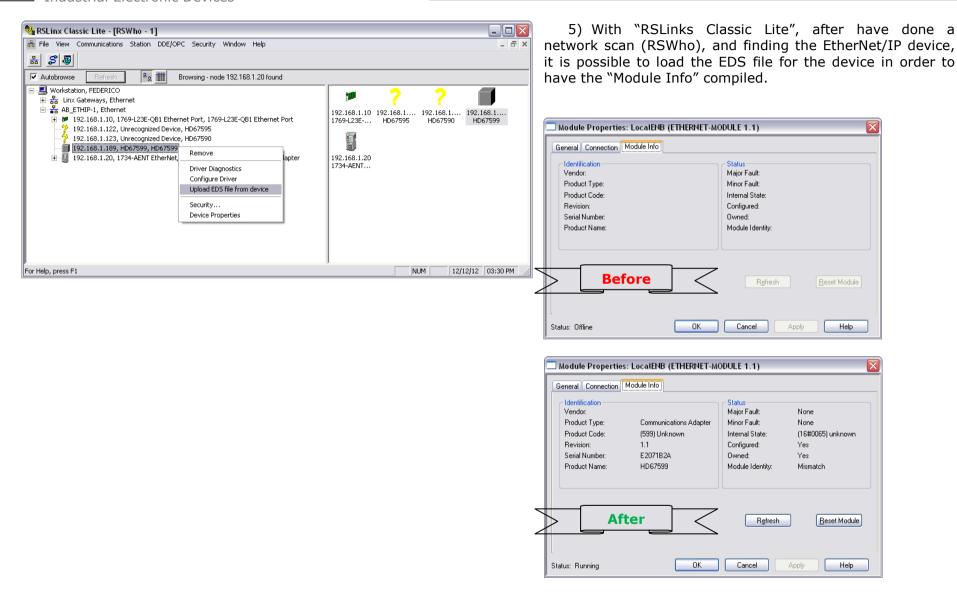
4) After the configuration is completed, the controller tags are created.

.ogix 5000 - ESEMPIO_B165 [1769-L23E-QB1 19 Edit View Search Logic Communications Tools Wir		50 100 100(control						
		Select a Language	¥ 🧶				
n 📴 🔲 Run Mode	Path: AB_ETHIP-1\192.10	58.1.10\Backplane\0	✓ 粘	Trant 1				
s Controller OK								
			+					
		K Safety K Alarmis K Bit K	Timerve					
troller Organizer - 4 X	Scope: DESEMPIO_B165	Long Long Long Long Long Long Long Long					Y. Enter Name Filler.	
🖉 Controller Tags	Name == A Value			Type Descripti	on Constant			
Controller Fault Handler	HD67599:1			[500]				
Tasks	+ HD6759 + HD6759	0	Decimal SIN Decimal SIN		-			
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Motion Groups	+ HD6759	0	Decimal SIN					
Ungrouped Axes	± HD6759	0	Decimal SIN		-			
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[2] 1734-IB4/C input_dig	± HD6759	0	Decimal SIN					
[] [3] 1734-IE2V/C input_an	± HD6759	0	Decimal SIN					
	± HD6759	0	Decimal SIN					
😑 🎹 CompactBus Local	+ HD6759		Decimal SIN					
	+ HD6759 + HD6759	0	Decimal SIN Decimal SIN					
 [1] Embedded IQ16F Discrete_Inpu [2] Embedded OB16 Discrete_Outpu 	± HD6759	0	Decimal SIN					
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MECHANICAL DIMENSIONS:

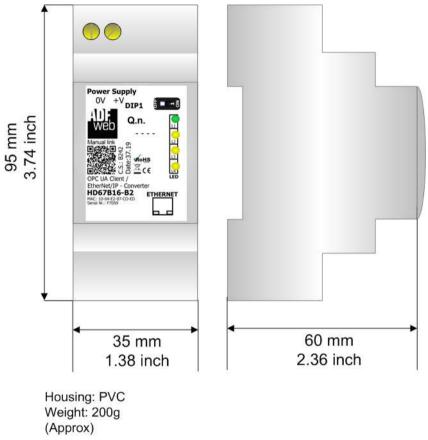


Figure 12: Mechanical dimensions scheme for HD67B16-B2



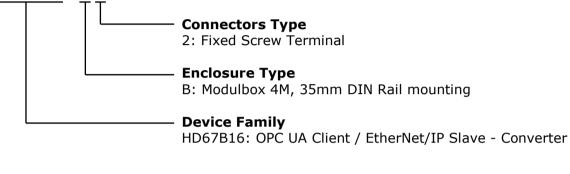
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ORDERING INFORMATIONS:

The ordering part number is formed by a valid combination of the following:

HD67B16 – B 2



Order Code: HD67B16-B2 - OPC UA Client / EtherNet/IP Slave - Converter

ACCESSORIES:

Order Code: AC34	011 -	35mm Rail DIN - Power Supply 220/240V AC 50/60Hz - 12 V DC
Order Code: AC34	012 -	35mm Rail DIN - Power Supply 220/240V AC 50/60Hz - 24 V DC



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OTHER REGULATIONS AND STANDARDS:

WEEE INFORMATION

Disposal of old electrical and electronic equipment (as in the European Union and other European countries with separate collection systems).

This symbol on the product or on its packaging indicates that this product may not be treated as household rubbish. Instead, it should be taken to an applicable collection point for the recycling of electrical and electronic equipment. If the product is disposed correctly, you will help prevent potential negative environmental factors and impact of human health, which could otherwise be caused by inappropriate disposal. The recycling of materials will help to conserve natural resources. For more information about recycling this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE

The device respects the 2002/95/EC Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (commonly referred to as Restriction of Hazardous Substances Directive or RoHS).

CE MARKING

C The product conforms with the essential requirements of the applicable EC directives.



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WARRANTIES AND TECHNICAL SUPPORT:

For fast and easy technical support for your ADFweb.com SRL products, consult our internet support at <u>www.adfweb.com</u>. Otherwise contact us at the address support@adfweb.com

RETURN POLICY:

If while using your product you have any problem and you wish to exchange or repair it, please do the following:

- Obtain a Product Return Number (PRN) from our internet support at <u>www.adfweb.com</u>. Together with the request, you need to provide detailed information about the problem.
- Send the product to the address provided with the PRN, having prepaid the shipping costs (shipment costs billed to us will not be accepted).

If the product is within the warranty of twelve months, it will be repaired or exchanged and returned within three weeks. If the product is no longer under warranty, you will receive a repair estimate.

