

# Integration Objects' SNMP to OPC Driver

## **OPC Server for SNMP**

Version 1.2 Rev.1



## QUICK USER GUIDE

OPC Server for SNMP User Guide Version 1.2 Rev 1 Published January 2020 Copyright © 2017-2020 Integration Objects. All rights reserved.



#### **ABOUT THIS USER GUIDE**

This guide is a step by step guide that lists the main steps on how to install, configure and run OPC Server for SNMP

### **INSTALLATION PRE-REQUISITES**

In order to properly run the OPC Server for SNMP, the following software components need to be installed on the target system:

- The **OPC core components 3.00** which consists of all shared OPC modules including the DCOM proxy/stub libraries, the OPC Server Enumerator, .NET wrappers, etc.
- .NET framework version 4.0 or higher.



Make sure there is no firewall or antivirus blocking the application.

#### **INSTALLING OPC SERVER FOR SNMP**

Execute the setup « Integration Objects' OPC Server for SNMP» program using an administrator account. The installation wizard will take you through the different steps.

#### **CONFIGURING OPC SERVER FOR SNMP**

- 1. Go to Start => Programs => Integration Objects => OPC Server for SNMP =>OPC Server for SNMP.
- 2. Start the OPC Server for SNMP using an administrator account.



Figure 1: OPC Server for SNMP Start Menu

3. In the tree view of the main dialog, right click the **Address Space** node and choose the option **Add Device.** 





Figure 2: Add Device

4. The « Add Device » dialog will appear.

🛋 New Device	x
	Properties
Alias:	Device1
IP Address:	127.0.0.1
O Name:	
S	NMP Properties
SNMP Community:	public
SNMP Version:	Version1
SNMP Timeout (ms):	6000
SNN	MP Authentication
User Name:	
Authentication Protocol:	<b>_</b>
Authentication Password:	
Privacy Protocol:	<b>•</b>
Privacy Password:	
Co	nnection Settings
Ping Timeout (ms):	3000
Status:	
	Ping
Test Connection	OK Cancel

Figure 3: Add Device Menu

- 5. In the IP address field enter the IP address of the machine where resides the remote OPC Server (name or IP Address). Then click OK.
- 6. The device will be added to the tree view.
- 7. Right click on the added device in the tree view and choose the option New Tag





Figure 4 : Add New Tag

8. The New Tag dialog will be displayed.

🎫 New Tag	:	x
	Identification	_
Alias:	Tag1	
OID:	1.3.6.1 Browse	
Name:		
Access Right:		
Description:		
	OK Cancel	

Figure 5 : New Tag Menu

9. Click on the Browse button to get the list of the tags associated with the device 10. Select tags and click OK



💁 Tag Browser		x
		Properties
(Select All)	Name:	sysDescr
SysObjectD	OID:	13612111
sysUpTime		
sysContact	Access Rights:	readonly
sysName	Description	
	Description	A textual description of the entity. This value should
ifNumber 4		include the full name and version identification of the
ipForwarding		system's naroware type, sortware operating-system, and networking software.
ippetault IIL		_
ipInAddrErrors		
ipForwDatagrams		
ipInUnknownProtos		
IpinDiscards		
ipOutRequests		
ipOutDiscards		
ipOutNoRoutes		OK Cancel
in pReasmTimeout		

Figure 6: Tag List Menu

- 11. The selected tags will be added to the tree view.
- 12. Open an OPC Client and connect to the OPC Server for SNMP.

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Figure 7: Connection with OPC Client



For additional information on this guide, questions or problems to report, please contact:

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