

system.device.addDevice - deviceProps Listing

Description
Below is a table of properties callable by system.device.addDevice.
Note that the Description and Enabled properties may not be configured with this function, although a device connection could be disabled with a call to system.device.setDeviceEnabled() after creating the connection.

CompactLogix Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Connection Path	path
Concurrent Requests	concurrentRequests
Disable Automatic Browse	disableAutomaticBrowse
Show String Arrays	showStringArrays
Status Request Poll Rate	pollRate

On this page

...

- CompactLogix Keys
- com.inductiveautomation.omron.NjDriver Keys
- ControlLogix Keys
- Dnp3Driver Keys
- MicroLogix Keys
- ModbusRtuOverTcp and ModbusTcp Keys
- PLC5 Keys
- S7300, S7400, S71200, and S71500 Keys
- SLC Keys
- TCPDriver Keys
- UDPDriver Keys

com.inductiveautomation.omron.NjDriver Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Concurrency	concurrency
Connection Size	connectionSize
Slot Number	slotNumber

ControlLogix Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Connection Path	path
Concurrent Requests	concurrentRequests
Disable Automatic Browse	disableAutomaticBrowse
Show String Arrays	showStringArrays
Status Request Poll Rate	pollRate
Slot Number	slotNumber

Dnp3Driver Keys

Device Property	Key	Acceptable Values
Hostname	hostname	
Port	port	
Source Address	sourceAddress	
Destination Address	destinationAddress	
Integrity Poll Interval	integrityPollInterval	
Direct Operate Enabled	directOperateEnabled	
Unsolicited Messages Enabled	unsolicitedMessagesEnabled	
Message Fragment Size	maxMessageFragmentSize	
Message Timeout	timeout	
Retries	retries	
Link Layer Confirmation	linkLayerConfirmationEnabled	
Default Outstation Conformance Level	outstationConformanceDefault	
Analog Input Points	analogInputDefaultValueType	<ul style="list-style-type: none"> • "INTEGER" • "SHORT" • "FLOAT" • "DOUBLE" • "VARIATION_0"
Analog Input Frozen Points	analogInputFrozenDefaultValueType	<ul style="list-style-type: none"> • "INTEGER" • "SHORT" • "FLOAT" • "DOUBLE" • "VARIATION_0"
Analog Output Points	analogOutputDefaultValueType	<ul style="list-style-type: none"> • "INTEGER" • "SHORT" • "FLOAT" • "DOUBLE" • "VARIATION_0"

Counter Points	counterDefaultValueType	<ul style="list-style-type: none"> • "INTEGER" • "SHORT" • "VARIATION_0"
Counter Frozen Points	counterFrozenDefaultValueType	<ul style="list-style-type: none"> • "INTEGER" • "SHORT" • "VARIATION_0"
Binary Input Points	binaryInputDefaultValueType	<ul style="list-style-type: none"> • "PACKED" • "WITH_FLAGS" • "VARIATION_0"
Double-Bit Binary Input Points	doubleBitBinaryInputDefaultValueType	<ul style="list-style-type: none"> • "PACKED" • "WITH_FLAGS" • "VARIATION_0"
Binary Output Points	binaryOutputDefaultValueType	<ul style="list-style-type: none"> • "PACKED" • "WITH_FLAGS" • "VARIATION_0"

MicroLogix Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Browse Cache Timeout	browseCacheTimeout
Connection Path	path
Disable Processor Browse	disableProcessorBrowse
Zero TNS Connection	useZeroTnsConnections

ModbusRtuOverTcp and ModbusTcp Keys

Device Property	Key
Hostname	hostname
Port	port
Communication Timeout	communicationTimeout
Max Holding Registers Per Request	maxHoldingRegistersPerRequest
Max Input Registers Per Request	maxInputRegistersPerRequest
Max Coils Per Request	maxCoilsPerRequest
Max Discrete Inputs Per Request	maxDiscreteInputsPerRequest
Reverse Word Order	reverseWordOrder
One-based Addressing	zeroBasedAddressing
Span Gaps	spanGaps
Allow Write Multiple Registers Request	writeMultipleRegistersRequestAllowed
Force Multiple Register Writes	forceMultipleRegisterWritesEnabled
Allow Write Multiple Coils Request	writeMultipleCoilsRequestAllowed
Allow Read Multiple Registers Request	readMultipleRegistersRequestAllowed
Allow Read Multiple Coils	readMultipleCoilsAllowed
Allow Read Multiple Discrete Inputs	readMultipleDiscreteInputsAllowed
Reconnect After Consecutive Timeouts	reconnectAfterConsecutiveTimeouts
Max Retry Count	maxRetryCount
Reverse String Byte Order	reverseStringByteOrder
Right Justify String	rightJustifyStrings
Read Raw Strings	readRawStrings

PLC5 Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Browse Cache Timeout	browseCacheTimeout
Connection Path	path
Disable Processor Browse	disableProcessorBrowse
Zero TNS Connection	useZeroTnsConnections

S7300, S7400, S71200, and S71500 Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Port	port
PDU Size	pduSize
Rack Number	rackNumber
CPU Slot Number	cpuSlotNumber
Reconnect After Consecutive Timeouts	reconnectAfterConsecutiveTimeouts

SLC Keys

Device Property	Key
Hostname	hostname
Timeout	timeout
Browse Cache Timeout	browseCacheTimeout
Connection Path	path
Disable Processor Browse	disableProcessorBrowse
Zero TNS Connection	useZeroTnsConnections

TCPDriver Keys

Device Property	Key	Acceptable Values
Port(s)	ports	
Address	address	
Inactivity Timeout	inactivityTimeout	
Message Delimiter Type	messageDelimiterType	<ul style="list-style-type: none">• "PacketBased"• "CharacterBased"• "FixedSize"
Message Delimiter	messageDelimiter	
Field Count	fieldCount	
Field Delimiter	fieldDelimiter	
Writeback Enabled	writebackEnabled	
Writeback Message Delimiter	writebackDelimiter	

UDPDriver Keys

Device Property	Key	Acceptable Values
Port(s)	ports	
Address	address	
Message Delimiter Type	messageDelimiterType	<ul style="list-style-type: none">• "PacketBased"• "CharacterBased"• "FixedSize"
Message Delimiter	messageDelimiter	
Field Count	fieldCount	
Field Delimiter	fieldDelimiter	
Message Buffer Size	messageBufferSize	
Multicast	multicast	