OTD140 OPC UA Server

The information in this page is updated in accordance with firmware version **OTD140_R_00.07.07.1**.

□

Contents

- 1 Summary
- 2 OPC UA Server Configuration
- 3 OPC UA Server variables

Summary

OPC Unified Architecture (**OPC UA**) is a cross-platform, open-source, IEC62541 standard for data exchange from sensors to cloud applications developed by the OPC Foundation. The *UA* in OPC UA stands for "Unified Architecture" and refers to the latest specification of the standard. It differs from its predecessor in that it is platform-independent, moving away from COM/DCOM to purely binary TCP/IP or alternatively SOAP.

This manual page provides an overview of the OPC UA Server in OTD140 devices.

Note: OPC UA Server is additional software that can be installed from the **System → Package Manager** page.

OPC UA Server Configuration

The **OPC UA Server Configuration** section is used to enable the local OPC UA server.

Field	Value	Description
Enable	off | on; default: **off**	Enables OPC UA server.
Port	integer [1..65535]; default: **none**	Service port.

OPC UA Server variables

All **RUTOS** device variables are described in the table below:

Note: All the variables have these qualities in common:

- Namespace index is 1
- Node ID type is string
- Read-only
- Updated upon request

ID	Type	Description
sys_uptime	UINT32	System uptime in seconds.
sys_serial	String	Device serial number.
sys_devname	String	Device name.
sys_devcode	String	Device code.
sys_version	String	Firmware version.
sys_hostname	String	Hostname.
lan_mac	String	LAN MAC address.
lan_ip	String	IP address of LAN interface.
lan_mask	String	Subnet mask of LAN interface.
lan_gateway	String	Gateway IP address of LAN interface.
lan_dns	Array of String	IP addresses of LAN interface DNS servers.
wan_ip	Array of String	IP address of WAN interface.
mob_modem_count	UINT32	Modem count.
mob_modem_imei	Array of String	Modem IMEI.
mob_modem_serial	Array of String	Modem serial number.
mob_modem_mnf	Array of String	Modem manufacturer name.
mob_modem_model	Array of String	Modem model name.
mob_modem_fw	Array of String	Modem firmware version string.
mob_modem_temp	Array of FLOAT	Modem temperature.
mob_sim_count	Array of UINT32	SIM count.
mob_sim	Array of UINT32	Selected SIM.
mob_sim_state	Array of String	SIM state.
mob_sim_iccid	Array of String	SIM ICCID.
mob_rssi	Array of INT32	RSSI.
mob_conn_type	Array of String	Data carrier type.
mob_conn_state	Array of String	Connection state.
mob_net_state	Array of String	Network link state.
mob_operator	Array of String	Operator name.