Release Notes

dataFEED Gateways

Version 1.70.00

08 April 2019

Product/Component	File name	Version	Date
uaGate SI, MB, 840D, edgeGate	Firmware_v1.70.00.1819.img.bz2	1.70.00	21.03.19

1 New or enhanced features

☐ Initial firmware with support to read data from Sinumerik 840D NCK part (uaGate 840D only)

☐ Subscribe Sinumerik 840D NCK alarms (uaGate 840D only)

☐ Update of OPC publisher to version 2.3.2 (edgeGate only)

☐ Upload possibility for adjusted nodesetfile for OPC publisher (edgeGate only)

☐ The whole command line to start the OPC publisher is configurable by the user (edgeGate only)

☐ Removed the dataFEED exporter to reduce firmware image size

2 Bug Fixes

☐ **ID 2155:** Azure settings are not stored on SD card

☐ **ID 2163:** Mqtt Topic Settings - PLC Value marker can't be reset

☐ **ID 2166:** Factory reset makes device unusable

☐ **ID 2168:** A German umlaut within a client certificate subject breaks display of client certificates

☐ **ID 2172:** Segmentation fault in OpcUa2MQTTPublisher

3 Known issues/limitation

☐ **ID 2077:** OPC UA self-discovery shows internal endpoint

☐ **ID 2095:** MQTT Topic Selection Browser does not check value rank

☐ **ID 2107:** All MQTT topic selections are removed if one PLC connection is removed (edgeGate)

☐ **ID 2110:** MQTT Topic selection is restored with user mfadmin

☐ **ID 2121:** Compatibility to Microsoft Azure cloud - only works with 'Suppressed PLC Symbols'

☐ **ID 2137:** DHCP client does not work with Sinumerik DHCP server (840D only)

☐ **ID 2139:** Not able to distinguish between SByte and Byte when parsing the NC-Var-Selector AWL file (840D only)

☐ **ID 2144:** FW Update indicates finish message with previous (wrong) version number

☐ **ID 2162:** If NCK alarms happens the same time, only one is shown (840D only)

☐ **ID 2167:** MQTT does not verify expiration date of certificate [Paho MQTT Lib issue 630]

☐ **ID 2169:** Default IPaddress/Subnet mask not shown with unconnected eth1

Product/Component	File name	Version	Date
uaGate SI, MB, edgeGate	Firmware_v1.60.00.9836.img.bz2	1.60.00	31.10.18
uaGate SI, MB, edgeGate	Firmware_v1.60.01.9879.img.bz2	1.60.01	06.11.18
uaGate SI, MB, edgeGate	Firmware_v1.60.02.10059.img.bz2	1.60.02	20.12.18
uaGate SI, MB, edgeGate	Firmware_v1.60.03.10237.img.bz2	1.60.03	19.02.19

1   New or enhanced features

☐   New protocol variant Siemens v2 for S7-1200/1500 with optimized blocks (uaGate SI only)

☐   Replacement of MQTT publisher implementation. The MQTT is now based on OPC UA node-ids

☐   Automatic conversion from old MQTT selection configuration

☐   Several PLC values could be grouped into one MQTT message

☐   The MQTT clean session flag can be configured -> needs to be enabled for Amazon AWS

☐   Replacement of symbol view, now in hierarchical view

2   Bug Fixes

☐   **ID 2060:** MQTT to AWS cloud: CleanSession must be true

☐   **ID 2066:** FW update - no finish indication

☐   **ID 2087:** The folder objects of the OPC UA Server are not according to the OPC UA specification

☐   **ID 2098:** No input validation for connection name

☐   **ID 2058:** Real from Standard variable table is interpreted as UInt32

☐   **ID 2041:** Special characters '<' and '>' in DB name cause un-browsable sub nodes on OPC UA

☐   **ID 2072:** importing certificates with UTF-8 charset may lead to error on loading certificate page

☐   **ID 2124:** PLC type in connection name drop down could be confusing (patch1)

☐   **ID 2130:** uaGate SI cannot connect to S7-1500 after Firmware upgrade v02.06.00 (patch2)

☐   **ID 2142:** Extended/Improved Open Source license information (patch3)

3   Known issues/limitation

☐   **ID 2077:** OPC UA self-discovery shows internal endpoint

☐   **ID 2095:** MQTT Topic Selection Browser does not check value rank

☐   **ID 2107:** edgeGate: All mqtt topic selections are removed if one PLC connection is removed

☐   **ID 2110:** Mqtt Topic selection is restored with user mfadmin

☐   **ID 2121:** Compatibility to Microsoft Azure cloud - only works with 'Suppressed PLC Symbols'

Product/Component	File name	Version	Date
uaGate SI, MB, edgeGate	Firmware_v1.50.00.8509.img.bz2	1.50.00	16.11.17
uaGate SI, MB, edgeGate	Firmware_v1.50.01.9138.img.bz2	1.50.01	18.05.18
uaGate SI, MB, edgeGate	Firmware_v1.50.02.9728.img.bz2	1.50.02	08.10.18

1   New or enhanced features

❒   Initial firmware of dataFEED uaGate MB

❒   Supports of Modbus TCP connections (edgeGate and uaGate MB only)

❒   Configuration and usage of up to 5 PLC Connections (edgeGate only)

❒   Microsoft Azure OPC-Publisher (edgeGate only)

❒   Update of edgeGate only component iot-edge-opc-publisher to v2.1.4 (patch1)

2   Bug Fixes

❒   **ID 1631:** Display problems with Internet Explorer and Edge

❒   **ID 1771:** (Google Chrome) - The error/warning messages are displayed for less than a second

❒   **ID 1919:** IT Network configuration - default gateway should be optional

❒   **ID 1941:** Sanity check for Siemens Expert settings

❒   **ID 1947:** Sanity check for MQTT Broker Configuration

❒   **ID 1967:** The OPC UA application URI is not unique

❒   **ID 1977:** MQTT Publishing stops

❒   **ID 1988:** Itadmin and Mfadmin have no access to the sd card page

❒   **ID 1977:** UA Endpoint can't be opened with NONE of security and UserNameAuthentication

❒   **ID 2041:** special character by the DB' Name of a S7 causes a malfunction by the PLC Communication (patch2)

❒   **ID 2060:** MQTT to AWS cloud: CleanSession Flag must be true (patch2)

3   Known issues/limitation

❒   **Microsoft Connected Factory -** The host name of the device needs to be "publisher"

❒   **ID 1948:** ModbusTCP suffix KA not supported

❒   **ID 1951:** ModbusTCP bit writing not supported

❒   **ID 1960:** ModbusTCP byte masking not supported

❒   **ID 1969:** edgegate: Azure IoT Publisher cannot be unregistered from Device Explorer

❒   **ID 1990:** OPC UA - The status code of folder type items is "BadConnectionClosed" - wrong code

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uaGate SI, edgeGate	Firmware_v1.40.00.7940.img.bz2	1.40.00	22.06.17
uaGate SI, edgeGate	Firmware_v1.40.01.8103.img.bz2	1.40.01	03.08.17
uaGate SI, edgeGate	Firmware_v1.40.02.8139.img.bz2	1.40.02	08.08.17

1 New or enhanced features

❒ Microsoft Azure OPC-Proxy (only for edgeGate)

❒ Display of device IPv6 addresses

❒ Universal plug and play support

❒ Display of the imported PLC name space

❒ Access rights to PLC symbols could be reduced

❒ Configuration backup to the external SD-card

❒ Read/browse access to the external sd-card

❒ Access to the chip temperature through web and OPC UA

❒ Support of CA signed server certificate for OPC UA and https server

❒ Security mode basic256sha256 (SHA2) for OPC UA

❒ Warning for unsecure default password usage

❒ Update of edgeGate only component iot-edge-opc-proxy to v1.0.2 (patch1)

2 Bug Fixes

❒ **ID 1631:** Display problems with Internet Explorer and Edge

❒ **ID 1771:** (Google Chrome) - The error/warning messages are displayed for less than a second

❒ **ID 1929:** No login to configuration web page with Microsoft Edge 40.15063.0.0 (patch1)

❒ **ID 1935:** logout does not work (patch2)

❒ **ID 1954:** uagate/edgate cannot connect to Azure MQTT broker (patch2)

3 Known issues/limitation

❒ **ID 1753:** Cannot download MQTT server certificate chain with IPv6 address

❒ **ID 1924:** dataFEED exporter: Context help of Oriole sdfi generation opens echocollect specific help page

❒ **ID 1925:** dataFEED exporter: Application selection does not allow to choose edgeGate

Product/Component	File name	Version	Date
uaGate SI	Firmware_v1.30.00.6896.img.bz2	1.30.00	08.11.16
uaGate SI	Firmware_v1.30.01.7100.img.bz2	1.30.01	16.12.16

1 New or enhanced features

❒ New feature -> MQTT publisher

❒ Reload button added to web pages

❒ OPC UA communication port is now adjustable (default: 4840)

2 Bug Fixes

❒ **ID 1670:** Default gateway cannot be set: Sanity check improved

❒ **ID 1637:** Menu doesn't work correctly in Firefox/Internet Explorer with mfadmin and itadmin

❒ **ID 1674:** UA Server doesn't provide the source Timestamp

❒ **ID 1731:** The administrator password is corrupted after configuration upload into the device

❒ **ID 1626:** Pending changes message does not disappear on config reset, config upload

❒ **ID 1685:** Loading of large symbol files only loads 20000 symbols without warning

❒ **ID 1633:** The user has no means to verify the OPC UA server certificate

❒ **ID 1744:** reset to factory settings (dependent on HW) -> hostname is not reset to default

❒ **ID 1769:** syslog continues to write into old logfile

❒ **ID 1772:** Bad connection diagnostic message (patch1)

❒ **ID 1773:** Cannot display Gateway-Status page when /var/tmp is full (patch1)

❒ **ID 1776:** Watchconfig.pl reads each 5 seconds the OPC UA port from configuration file (patch1)

❒ **ID 1780:** Syslog message pollutes the messages file on SD-card partially fixed (patch1)

❒ **ID 1784:** CPMainSrv crash when ETH cable is unplugged and replugged with QoS=1 (patch1)

3 Known issues/limitation

❒ **ID 1631:** Display problems with Internet Explorer and Edge

❒ **ID 1753:** Cannot download MQTT server certificate chain with IPv6 address

❒ **ID 1764:** Browser complain about "unsecure" self-signed certificate

❒ **ID 1767:** Wait message won't disappear after changing Ip with Google Chrome

❒ **ID 1771:** (Google Chrome) - The error/warning messages are displayed for less than a second

Product/Component	File name	Version	Date
uaGate SI	Firmware_v1.10.00.5360.img.bz2	1.10.00	19.10.15
uaGate SI	Firmware_v1.10.01.5689.img.bz2	1.10.01	15.03.16
uaGate SI	Firmware_v1.10.02.5993.img.bz2	1.10.02	03.05.16

1   New or enhanced features

❒   Release version for uaGate SI

❒   Update/Security fixes for Debian base system

2   Bug Fixes

❒   **ID 1680:** dataFEED exporter TIA with UDT structs and struct arrays (patch2)

❒   **ID 1684:** Error when loading large symbol file. The number of imported symbols is now limited to 20.000 (patch2)

❒   **ID 1655:** sporadic watchdog reset on Oriole device

❒   **ID 1670:** Default gateway cannot be set

3   Known issues/limitation

❒   **ID 1670:** The gateway sanity check is to relaxed: It fails for netmask 255.255.254.0

❒   **ID 1685:** Limitation is stated on "Machine Settings" -> "Symbol Import" page and help page