

# XPG Gateway – OPC-UA converter

- Complete and flexible protocol conversion system
- Dedicated hardware
- Dedicated operating system: ISOS (Industrial Secure Operating System)
- Compliant with the highest cybersecurity standards
- Comprehensive online configuration management platform

## Overview

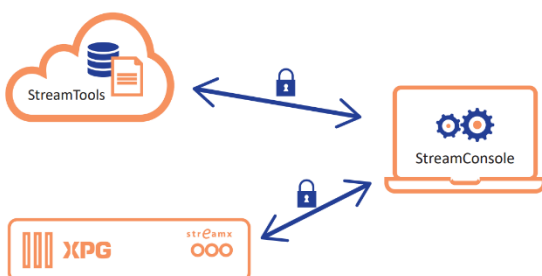


## Success stories

- Eyholz tunnel (2017 – VS – Switzerland)
- Champsec cut-and-cover tunnel (2015 – VS – Switzerland)

Data acquisition and conversion for venting, lighting, traffic signaling, energy management. In compliance with the Swiss Federal Roads Office (FEDRO) directive «ASTRA 13031»

## Configuration



- Dedicated Centralised web-based configuration software hosted by Elvexys or on-premise
- No maintenance or backup required
- Automatic project versioning with history browsing
- Easy to use
- Manage complete backup of XPG devices

### Hardware

	IG2	APU2319	DA820C	VM
Source protocols	Modbus / S-Bus / S7 / +15 others			
Operating System	ISOS			
Points	<500	<5'000	>10'000	>1'000
Form factor	DIN-rail	19''1U	19''3U	OVF
High-Availability (cluster)	-			
Redundant power supply	-			N/A
LAN	2	3(extendable)	2(extendable)	10
Teaming - Bonding	-			N/A
RS - 485 / 422 / 232	2	1 (RS232 only)	2(extendable)	-



### Standards

#### Protocols

- Modbus RTU Master (serial)
- Modbus RTU Client
- SAIA S-Bus TCP Client
- SAIA S-Bus
- Siemens S7 ISO TCP Client
- EtherCAT Client

#### Management

- HTTP(S) Server
- LDAP Client
- LD AP-S Client (TLS 1.0, 1.1.,1.2)
- SNMP Agent (v2c, v3)
- SFTP Server
- SSH Server
- Syslog Client

IEC 60870-5-101 Master, IEC 60870-5-103 Master, IEC 60870-5-104 Client, IEC 61850 Client, K-Bus Client, OPC UA Client, Pronoo EcoBITs Client, SNMP Client (v2c, v3), Telegyr 8xx Master...

### Ordering

XPG - S7.C - OPU.S - DA820HV - 8k  
 Protocol Gateway Protocol OPC-UA Server Hardware Process points

Protocol	Code
Modbus TCP Client	MBT.C
Modbus RTU Master (serial)	MBR.M
SAIA S-Bus Serial Master	SBS.M
SAIA S-Bus TCP Client	SBT.C
Siemens S7 ISO TCP Client	S7T.C
EtherCAT Client	ECA.C
IEC 60870-5-101 Master	101.M
IEC 60870-5-104Client	104.C
IEC 61850 Client	615.C

Hardware	Code
MOXA DA-820-C7-DP-HV-T	DA820HV
MOXA DA-820-C7-DP-LV-T	DA820LV
PC Engines apu2c4	APU2319
MOXA UC-8112-LX	UC8112
Virtual machine	VM100

NB of process points	Code
100	100
300	300
500	500
1000	1k
3000	3k
8000	8k
20000	20k
50000	50k
> 50000	50k+

Other protocols on demand