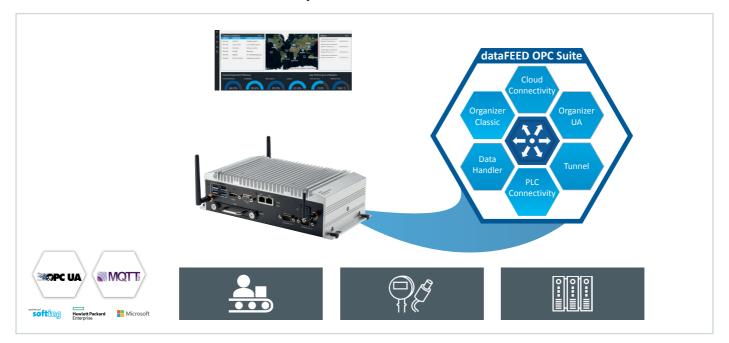


Industrial IoT Starter Kit

Factory Floor Integration in Microsoft Azure Using HPE's GL20 Gateway and Softing's dataFEED OPC Suite

- Head Start in Cloud-based OEE and Manufacturing Analytics
- Extensible and Secure OT/IT Integration Based on Standards
- Versatile Solution With Low Start-up Costs



Efficient Analysis of Production Data

- Link of production line to Azure IoT Suite Connected factory in less than a day
- Immediate access to valuable business insights generating improved operational efficiency
- Connection to full range of data sources supported by dataFEED OPC Suite
- No change of security and firewall settings required

Comprehensive Connectivity

- Compliance with OPC UA interoperability standard for industrial communication
- Overall benefit of built-in and proven security
- Application execution in cloud or on premise
- Integration with edge analytics

Ready-to-Start Scope of Delivery

- Minimized configuration and system integration efforts
- Deployment of multiple applications with just one starter kit
- Support of multiple cloud platforms (Microsoft Azure and others)
- Low maintenance costs and investment protection
- Equally suited for deployment in production as well as for proof of concept in lab environments



Industrial IoT Starter Kit

Technical	Data			
Software	Operating System	Windows 10 IoT Enterprise 2016		
	Microsoft Azure Connectivity	Microsoft OPC Proxy, Microsoft OPC Publisher (Docker images)		
	Data Integration	Softing dataFEED OPC Suite		
		Supported Controllers	Siemens S5, S7 (200,300,400,1200,1500) LOGO! 8, PAC Counter and Siemens-compatible controllers like VIPA controllers Rockwell SLC-500, PLC-5, ControlLogix and CompactLogix Mitsubishi Melsec-Q Series with Ethernet interface card B&R controllers with Ethernet interface Modbus TCP-compatible controllers (Wago, Beckhoff, Phoenix, Schneider Electric, etc.) All controllers and devices with integrated OPC UA Server Inputs, outputs, data blocks, markers, timers, counters	
		Accessible Controller Data		
		Supported OPC Specifications	OPC Classic Data Access V1.0a, V2.05, OPC Alarms & Events V1.10, OPC Unified Architecture V1.02	
		Supported OPC UA Functionality	Data Access profile	
			TCP transport protocol using OPC UA binary coding	
			Security methods	Basic256, Basic128Rsa15, None
		Supported OPC Data Types	VARIANT Data Types I1, UI1, I2, UI2, I4, UI4, R4, DATE, BSTR, BOOL and arrays (VT_Array) of these data types	
		Protocols for IoT Cloud Link	MQTT Publisher	MQTT Publisher V3.1.1, V3.1 QoS, Retain, Last Will and Testament Security SSL/TLS including certificates
			REST Client	TCP, HTTP, HTTPS Methods: PUT, POST Security SSL and user authentification
		Supported Databases	NoSQL databases, for example, MongoDl ODBC enabled databases, for example, O other NoSQL and ODBC-enabled databas	Dracle, MySQL, Microsoft SQL Server, IBM DB2,
		See dataFEED OPC Sui	See dataFEED OPC Suite datasheet for more details	
Hardware	Gateway	HPE Gatewayline GL20, i5 Core, 8 GB RAM, 64 GB Industrial SSD		
		See HPE Gatewayline GL20 datasheet for more details		
	Interfaces	1x Power 9-36 VDC, 2x Ethernet (10/100/1000 Mbit), 4x PoE (10/100 Mbit), 8 bit DIO, 2x Serial (EIA-232/422/485), 2x USB 2.0, 2x USB 3.0, VGA, HDMI, speaker/microphone/line in		
Scope of	Delivery			
Hardware		HPE Gatewayline GL20		
Software		Pre-installed, including dataFEED OPC Suite		
Documentation		Online		
Order Nu	mbers			
CCA-YY-140001		Industrial IoT Starter Kit		
Additiona	al Products and Se	rvices		
GAA-YY-145122		edgeGate		
GAA-DX-145111		uaGate SI		
GAA-YE-145133		uaGate MB		
Your local Softing contact:				https://industrial.softing.com

