

TYPE EXAMINATION CERTIFICATE



Equipment or Protective System intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

Type Examination Certificate Number: **UL 24 ATEX 3192X Rev. 0**

Product: **Security Router and Firewall, Models EAGLE40-07, OpEdge-8D**

Manufacturer: **Hirschmann Automation and Control GmbH**

Address: **Stuttgarter Strasse 45-51, 72654 Neckartenzlingen, Germany**

This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

UL International Demko A/S certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

The examination and test results are recorded in confidential report no. **4790718405.2.1.**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018

EN IEC 60079-7:2015/A1:2018

EN IEC 60079-15:2019

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

This Type examination certificate relates only to the design of the specified product, and not to specific items of product subsequently manufactured.

The marking of the product shall include the following (marking is provided in the Schedule as a part of item 15, if applicable):

Ex II 3 G Ex ec nC IIC T4 Gc

Certification Manager
Thomas Wilson

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2025-01-28

Certification Body

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Schedule

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Description of Product:

The EAGLE40-07 and OpEdge-8D are open type industrial-grade fanless box PC's featuring dual-core processor and DDR3L, DIN Rail/Wall mount options and LAN configurations. The equipment has 5 RJ45 ports and 2 SFP ports.

Model: OpEdge-8D is a defined construction

Model: EAGLE40-07 is configurable according to the nomenclatures shown below

Nomenclature (relevant to model EAGLE40-07 only):

Note: Nomenclature parts 7, 8, 9, 10, 11, 12 are not relevant to Ex certification

1		2		3		4		5		6	7		8		9		10		11		12
EAGLE40	-	07		206		T		CC		X	9		HS		R		A		NF		XX.X.XX

1	Design/Model	EAGLE40	=	SECURITY ROUTER AND FIREWALL
2	Gigabit Ethernet Ports	07	=	7 x 1000Mbit/s
3	Type Uplink Ports	206	=	2x SFP, 5x Twisted Pair RJ45
4	Temperature Range	T	=	-40°C to +70°C
		E	=	-40°C to +70°C with Conformal Coating
5	Voltage Range	CC	=	2 x 24-48 V DC
6	Approval Part 1	X	=	ATEX Zone 2
		various	=	Not relevant to certification
7	Approval Part 2	9	=	No additional approval
		Y	=	Not relevant to certification
8	OEM Type	HS	=	Hirschmann Standard
9	Configuration	R	=	Router Mode
		S	=	Stealth Mode (Tofino)
		T	=	Transparent Mode
10	Intrusion Detection System (IDS)	A	=	Sensor
		B	=	Server
11	Security Modes	NF	=	No additional modules, firewall only
		IN	=	Industrial Automation Protection Suite (Ethernet/IP + Modbus + OPC Enforcer)
		SU	=	Substation Protection Mode (DNP3 + GOOSE + Modbus Enforcer)
		UN	=	Unified Protection Suite (All Enforcers)
12	Software Version	XX.X.XX	=	Current Software Release
		03.5.00	=	Software Release 3.5

Performance testing

The optical radiation output of the product with respect to explosion protection, according to Annex II clause 1.3.1 of the Directive 2014/34/EU is covered in this certificate based on Exception 1) and 3) to the scope of EN 60079-28:2015.

Temperature range:

The ambient temperature range is -40°C to +70°C.

Electrical data

Input: 24-48 Vdc, 1.0 – 0.5 A (optional)

Relay output: 0.5A/48Vdc or 0.5A/24Vac, Resistance.

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Routine tests:

N/A

[16] Descriptive Documents:

The scheduled drawings are listed in the report no. provided under item no. [8] on page 1 of this Type Examination Certificate.

[17] Specific Conditions of Use:

- The equipment shall only be used in an area of at least pollution degree 2, as defined in EN 60664-1.
- The equipment shall be installed in a tool-accessible enclosure that provides a minimum ingress protection of IP 54 in accordance with EN IEC 60079-0.
- When end users to provide optical SFP transceivers, these must be limited to Laser Class 1.

[18] Essential Health and Safety Requirements:

The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information

The trademark  **HIRSCHMANN**

will be used as the company identifier on the marking label.