

UL Type Examination Certificate

ATEX Directive 2014/34/EU



Certificate

UL 24 ATEX 3192X
Rev. 1

Issue date
2025-01-28

Re-issued
2026-07-15

This is to acknowledge that

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51, 72654 Neckartenzlingen, Germany

has had

Security Router and Firewall

Models EAGLE40-07, OpEdge-8D

evaluated and meets the requirements of the standards

EN IEC 60079-0:2018

EN 60079-7:2015

EN IEC 60079-7:2015/A1:2018

EN IEC 60079-15:2019

Test Report No. **DK/ULD/ExTR26.0015/00**

Certification Manager
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This is to certify that the sample(s) of the product described herein ("Certified Product") has been investigated and found in compliance with the above mentioned harmonized Standard(s) per Article 12 of Directive 2014/34/EU of the European Parliament and of the Council relating to equipment and protective systems for use in potentially explosive atmospheres indicated on this Certificate, in accordance with the UL Type Examination Certificate Scheme Requirements.
The responsibilities of manufacturers, their authorized representatives are provided in Articles 6 and 7 of the Directive 2014/34/EU. This remains the responsibility of the manufacturer and authorized representative and is not covered as part of this certificate.
This certificate and test results obtained apply only to the product sample(s) submitted by the Applicant. UL International Demko A/S (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 for inspection or other surveillance of the product. The Certificate Holder is solely and fully responsible for conformity of all products to all applicable Standards, specifications, requirements or Directives/Regulations. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

UL TYPE EXAMINATION CERTIFICATE No. UL 24 ATEX 3192X Rev. 1

Technical Details / Schedule

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.

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.

Nomenclature

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	=	cULus Class I Division 2 + ATEX Zone 2 + IECEx 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

Ex marking

 II 3 G Ex ec nC IIC T4 Gc

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Temperature range
The ambient temperature range is -40°C to +70°C.
Trademark
The trademark HIRSCHMANN will be used as the company identifier on the marking label.
Ratings
Input: 24-48 Vdc, 1.0 – 0.5 A (optional) Relay output: 0.5A/48Vdc or 0.5A/24Vac, Resistance.
Routine tests
N/A
Descriptive documents
The scheduled drawings are listed in the report no. provided under item "Test Report No." on page 1 of this UL Type Examination Certificate.
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.
Essential Health and Safety Requirements
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed on page 1.