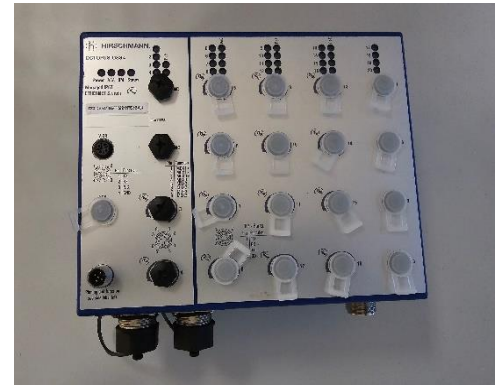




ITxPT Module Labeling Report

REPORT ID	20241011-0210
DATE	28/02/2025
COMPANY	Hirschmann Automation and Control GmbH
TESTER	ITxPT laboratory manager
SPECIFICATION	S01 - S02P00 to S02P09 (Sequoia Release)
TOOLS USED FOR THE TEST	ITxPT Laboratory



Module configuration tested by ITxPT laboratory					
Manufacturer	Model	Hardware version	Software version	Unique Identifier	
Hirschmann Automation and Control GmbH	OS34-1416041AT6T5-TFFS999HHME3S	101	HiOS-3S-10.0.00 2024-08-0	OS-EC74BA3633B8	
Hardware interfaces					
Interface name	Provided status	Implementation level			
Power supply	✓	Permanent, Ignition, SLEEP management			
Ethernet	✓	Native, number 12 and type of port: 4-pin, "D"-coded M12 socket			
FMS	N/A	-			
Wireless communications	N/A	-			
Audio	N/A	-			
Auxiliary	N/A	-			
Implemented services					
Service	Operation	Provided status	Provided type	Consumed status	Consumed type
Module Inventory		✓	itxpt_socket or itxpt_http	N/A	itxpt_socket and/or itxpt_http
Time		N/A	sntp	N/A	sntp
GNSS Location		N/A	itxpt_multicast	N/A	itxpt_multicast
FMS to IP	Provision	N/A	itxpt_multicast	N/A	itxpt_multicast
	Configuration	N/A	itxpt_http	N/A	itxpt_http
VEHICLEtoIP		N/A	itxpt_multicast	N/A	itxpt_multicast
AVMS	Run Monitoring	N/A	itxpt_http	N/A	itxpt_http
	Planned Pattern	N/A		N/A	
	Pattern Monitoring	N/A		N/A	
	Vehicle Monitoring	N/A		N/A	
	Journey Monitoring	N/A		N/A	
	General Message	N/A		N/A	
APC	Connection Monitoring	N/A	itxpt_http	N/A	itxpt_http
	Passenger door count	N/A		N/A	
MADT	Passenger vehicle count	N/A	itxpt_socket	N/A	itxpt_socket
	MADT information	N/A		N/A	
	Play a sound	N/A		N/A	
	Read settings	N/A		N/A	
	Write settings	N/A		N/A	
	Stop the MADT Service	N/A		N/A	
	Restart the MADT Service	N/A		N/A	
	Retrieve MTS characteristics	N/A		N/A	
	Create a Web tab	N/A		N/A	
	Create a VNC tab	N/A		N/A	
	Create a shortcut	N/A		N/A	
	Navigate to given URI	N/A		N/A	
	Blink a tab	N/A		N/A	
	Activate a tab	N/A		N/A	
	Remove a tab	N/A		N/A	
Remove a shortcut	N/A	N/A			
I am alive	N/A	N/A			
Get tabs mapping	N/A	N/A			
Get shortcuts	N/A	N/A			
MQTT		N/A	mqtt	N/A	mqtt


DISCLAIMER	Module manufacturer shall declare any change impacting the result of one or several tests for each module configuration using the "declaration of change" file available on ITxPT documentation center.
	The consumption status is based primarily on the module manufacturer's declaration, since laboratory tests can only partially assess service consumption. The manufacturer hereby guarantees that its module is fully capable of consuming, i.e. subscribing to, receiving and processing data from services provided by another ITxPT-compliant module.



VARIANTS OF LABEL ID 20241011-0210

DISCLAIMER

The undersigned, representing the module manufacturer, hereby declares and guarantees that all ITxPT-related interfaces or services, whether optional or mandatory, which are compliant with the tested module configuration, are implemented identically across all configuration variants of the tested module. Only the same or simpler hardware configuration variants may be listed, the firmware must remain the same. Each variant must be provided with the description of the hardware differences compared to the reference model. Wildcards are not allowed in the variant names.

Signed: 
Date: 08.04.2025

i.V. Steffen Adolf
Name: SR. MGR. Global Product Compliance & Lab

Company Stamp: _____

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51 - 72654 Neckartenzlingen
Postfach 16 49 - 72606 Nürtingen
Deutschland


Manufacturer	Tested model name	Short description of the tested hardware	Hardware version	Software / Firmware version	Specification Package	Provision (S02P01-Inventory, S02P02-Time, ...)	Consumption (S02P01-Inventory, S02P02-Time, ...)	Power supply (Permanent Ignition Main switch Full power SLEEP mode POE)	Ethernet implementation	FMS	Wireless communications (GSM GPS WLAN)	Audio	Auxiliary (Low battery , Odometer , Doors , AnyDoorOpen , Awake request , Stop request , Full power)
Hirschmann Automation and Control GmbH	OS34-1416041AT6T5-TFFS999HME3S		101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

Manufacturer	Variant full name (wildcards are not accepted)	Short description of the differences with the tested model (same or simpler hardware architecture)	Hardware version	Software / Firmware version	Specification Package	Provision	Consumption	Power supply	Ethernet implementation	FMS	Wireless communications	Audio	Auxiliary
Hirschmann Automation and Control GmbH	OS20-000800	8 Fast Ethernet Ports, No PoE ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS20-001200	12 Fast Ethernet Ports, No PoE ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS20-002000	20 Fast Ethernet Ports, No PoE ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS20-002800	28 Fast Ethernet Ports, No PoE ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-111200	12 Fast Ethernet Ports, 11 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-101200	12 Fast Ethernet Ports, 10 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-081200	12 Fast Ethernet Ports, 08 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

VARIANTS OF LABEL ID 20241011-0210

DISCLAIMER

The undersigned, representing the module manufacturer, hereby declares and guarantees that all ITxPT-related interfaces or services, whether optional or mandatory, which are compliant with the tested module configuration, are implemented identically across all configuration variants of the tested module. Only the same or simpler hardware configuration variants may be listed, the firmware must remain the same. Each variant must be provided with the description of the hardware differences compared to the reference model. Wildcards are not allowed in the variant names.

Signed: 
Date: 08.04.2025

i.V. Steffen Adolf
Name: SR. MGR, Global Product Compliance & Lab

Company Stamp: _____

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51 - 72654 Neckartenzlingen
Postfach 16 49 - 72606 Nürtingen
Deutschland


Manufacturer	Tested model name	Short description of the tested hardware	Hardware version	Software / Firmware version	Specification Package	Provision (S02P01-Inventory, S02P02-Time, ...)	Consumption (S02P01-Inventory, S02P02-Time, ...)	Power supply (Permanent Ignition Main switch Full power SLEEP mode POE)	Ethernet implementation	FMS	Wireless communications (GSM GPS WLAN)	Audio	Auxiliary (Low battery , Odometer , Doors , AnyDoorOpen , Awake request , Stop request , Full power)
Hirschmann Automation and Control GmbH	OS34-141604IAT6T5-TFFS999HME3S		101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

Manufacturer	Variant full name (wildcards are not accepted)	Short description of the differences with the tested model (same or simpler hardware architecture)	Hardware version	Software / Firmware version	Specification Package	Provision	Consumption	Power supply	Ethernet implementation	FMS	Wireless communications	Audio	Auxiliary
Hirschmann Automation and Control GmbH	OS24-152000	20 Fast Ethernet Ports, 15 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-152800	28 Fast Ethernet Ports, 15 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-142000	20 Fast Ethernet Ports, 14 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-142800	28 Fast Ethernet Ports, 14 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-122000	20 Fast Ethernet Ports, 12 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS24-122800	28 Fast Ethernet Ports, 1 Fast Ethernet PoE Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS30-000802	8 Fast Ethernet Ports, 2 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

VARIANTS OF LABEL ID 20241011-0210

DISCLAIMER

The undersigned, representing the module manufacturer, hereby declares and guarantees that all ITxPT-related interfaces or services, whether optional or mandatory, which are compliant with the tested module configuration, are implemented identically across all configuration variants of the tested module. Only the same or simpler hardware configuration variants may be listed, the firmware must remain the same. Each variant must be provided with the description of the hardware differences compared to the reference model. Wildcards are not allowed in the variant names.

Signed: 
Date: 08.04.2025

Name: i.V. Steffen Adolf
SR. MGR, Global Product Compliance & Lab

Company Stamp: _____

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51 - 72654 Neckartenzlingen
Postfach 16 49 - 72606 Nürtingen
Deutschland

Manufacturer	Tested model name	Short description of the tested hardware	Hardware version	Software / Firmware version	Specification Package	Provision (S02P01-Inventory, S02P02-Time, ...)	Consumption (S02P01-Inventory, S02P02-Time, ...)	Power supply (Permanent Ignition Main switch Full power SLEEP mode POE)	Ethernet implementation	FMS	Wireless communications (GSM GPS WLAN)	Audio	Auxiliary (Low battery , Odometer , Doors , AnyDoorOpen , Awake request , Stop request , Full power)
Hirschmann Automation and Control GmbH	OS34-141604IAT6T5-TFFS999HME3S		101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

Manufacturer	Variant full name (wildcards are not accepted)	Short description of the differences with the tested model (same or simpler hardware architecture)	Hardware version	Software / Firmware version	Specification Package	Provision	Consumption	Power supply	Ethernet implementation	FMS	Wireless communications	Audio	Auxiliary
Hirschmann Automation and Control GmbH	OS30-001602	16 Fast Ethernet Ports, 2 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS30-002402	24 fast Ethernet Ports, 2 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-100802	10 PoE Ports, 8 Fast Ethernet Ports, 2 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-141602	14 PoE Ports, 16 Fast Ethernet Ports, 2 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-142402	14 PoE Ports, 24 Fast Ethernet Ports, 2 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS30-000804	8 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS30-001604	16 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

VARIANTS OF LABEL ID 20241011-0210

DISCLAIMER

The undersigned, representing the module manufacturer, hereby declares and guarantees that all ITxPT-related interfaces or services, whether optional or mandatory, which are compliant with the tested module configuration, are implemented identically across all configuration variants of the tested module. Only the same or simpler hardware configuration variants may be listed, the firmware must remain the same. Each variant must be provided with the description of the hardware differences compared to the reference model. Wildcards are not allowed in the variant names.

Signed: 

Date: 08.04.2025

Name: i.V. Steffen Adolf
SR. MGR, Global Product Compliance & Lab

Company Stamp: _____

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51 - 72654 Neckartenzlingen
Postfach 16 49 - 72606 Nürtingen
Deutschland

Manufacturer	Tested model name	Short description of the tested hardware	Hardware version	Software / Firmware version	Specification Package	Provision (S02P01-Inventory, S02P02-Time, ...)	Consumption (S02P01-Inventory, S02P02-Time, ...)	Power supply (Permanent Ignition Main switch Full power SLEEP mode POE)	Ethernet implementation	FMS	Wireless communications (GSM GPS WLAN)	Audio	Auxiliary (Low battery , Odometer , Doors , AnyDoorOpen , Awake request , Stop request , Full power)
Hirschmann Automation and Control GmbH	OS34-141604IAT6T5-TFFS999HHME3S		101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

Manufacturer	Variant full name (wildcards are not accepted)	Short description of the differences with the tested model (same or simpler hardware architecture)	Hardware version	Software / Firmware version	Specification Package	Provision	Consumption	Power supply	Ethernet implementation	FMS	Wireless communications	Audio	Auxiliary
Hirschmann Automation and Control GmbH	OS30-002404	24 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-110804	11 PoE Ports, 8 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-100804	10 PoE Ports, 8 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-080804	8 PoE Ports, 8 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-151604	15 PoE Ports, 16 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-152404	15 PoE Ports, 24 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-141604	14 PoE Ports, 16 Fast Ethernet Ports, 4 Gigabit Ethernet Ports	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

VARIANTS OF LABEL ID 20241011-0210

DISCLAIMER

The undersigned, representing the module manufacturer, hereby declares and guarantees that all ITxPT-related interfaces or services, whether optional or mandatory, which are compliant with the tested module configuration, are implemented identically across all configuration variants of the tested module. Only the same or simpler hardware configuration variants may be listed, the firmware must remain the same. Each variant must be provided with the description of the hardware differences compared to the reference model. Wildcards are not allowed in the variant names.

Signed: 

Date: 08.04.2025

Name: i.V. Steffen Adolf
SR. MGR, Global Product Compliance & Lab

Company Stamp: _____

Hirschmann Automation and Control GmbH
Stuttgarter Str. 45-51 - 72654 Neckartenzlingen
Postfach 16 49 - 72606 Nürtingen
Deutschland

Manufacturer	Tested model name	Short description of the tested hardware	Hardware version	Software / Firmware version	Specification Package	Provision (S02P01-Inventory, S02P02-Time, ...)	Consumption (S02P01-Inventory, S02P02-Time, ...)	Power supply (Permanent Ignition Main switch Full power SLEEP mode POE)	Ethernet implementation	FMS	Wireless communications (GSM GPS WLAN)	Audio	Auxiliary (Low battery , Odometer , Doors , AnyDoorOpen , Awake request , Stop request , Full power)
Hirschmann Automation and Control GmbH	OS34-141604IAT6T5-TFFS999HHME3S		101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No

Manufacturer	Variant full name (wildcards are not accepted)	Short description of the differences with the tested model (same or simpler hardware architecture)	Hardware version	Software / Firmware version	Specification Package	Provision	Consumption	Power supply	Ethernet implementation	FMS	Wireless communications	Audio	Auxiliary
Hirschmann Automation and Control GmbH	OS34-142404	14 PoE Ports, 24 Fast Ethernet Ports, 4 Gigabit Ether	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-121604	12 PoE Ports, 16 Fast Ethernet Ports, 4 Gigabit Ether	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No
Hirschmann Automation and Control GmbH	OS34-122404	12 PoE Ports, 24 Fast Ethernet Ports, 4 Gigabit Ether	101	HiOS 10.0.00	S02P01-Inventory	S02P01-Inventory		Permanent, Ignition, SLEEP management	Yes	No	No	No	No