IT/PT	ITxPT	「Module Labeling Report			all rate				
REPORT ID	20250226-0	233			The state of the s				
DATE	26/06/2025								
COMPANY	MOXA								
TESTER	Henrik Simp	banen							
SPECIFICATION	S01 - S02P0	0 to S02P01 (Sequoia Release)		Chi Chi					
TOOLS USED FOR THE TEST	ITxPT Labor	atory							
		Module configuration	n tested by ITxPT laboratory						
Manufacturer		Model	Hardware version	Software version	Unique Identifier				
MOXA		TN-4520B-12P-4G-4GP-T	v0.0.0	v2.0	sn:202405020007				
		Hardw	are interfaces						
Interface name		Provided status	Implementation level						

Interface name Provided		Provided status	Implementation level								
Powe	r supply		✓	Permanent, Ignition, SLEEP management							
Ether	net		✓	Native, 12x M12-D and 8x M12-X							
FMS			N/A								
Wirel	ess communications		N/A								
Audic	)		N/A								
Auxili	ary		N/A								
				lemented servic	es						
	Service		Operation	Provided status	Provided type	Consumed status	Consumed type				
Лоdu	ile Inventory			✓	itxpt_socket	N/A	itxpt_socket and/or itxpt_http				
lime				N/A	sntp	N/A	sntp				
	Location			N/A	itxpt_multicast	N/A	itxpt_multicast				
≙	Provision				itxpt_multicast		itxpt_multicast				
9				N/A		N/A					
FMS	Configuration			N/A	itxpt_http	N/A	itxpt_http				
EHIC	CLEtoIP			N/A	itxpt_multicast	N/A	itxpt_multicast				
		Run Monitoring		N/A		N/A					
	Planned Pattern		N/A		N/A						
	Pattern Monitoring	1	N/A		N/A						
NVA	AVMS	Vehicle Monitoring	]	N/A	itxpt_http	N/A	itxpt_http				
	Journey Monitorin	а а	N/A		N/A						
		General Message		N/A		N/A					
		Connection Monito	oring	N/A		N/A					
		Passenger door co		N/A		N/A					
NPC		Passenger vehicle		N/A	-itxpt_http	N/A	itxpt_http				
		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 Se	rvice	N/A		N/A					
		Restart the MADT		N/A		N/A					
		Retrieve MTS chara	acteristics	N/A		N/A					
		Create a Web tab		N/A		N/A					
	-	Create a VNC tab		N/A		N/A					
/AD	I	Create a shortcut		N/A	-itxpt_socket	N/A	itxpt_socket				
		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	(1/17)				
		Get shortcuts		N/A		N/A N/A	. 21				
MQT	r	Gershorteats		N/A N/A	mgtt	N/A N/A	mqtt C				



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

## VARIANTS OF LABEL ID 20250226-0233

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.

DISCLAIMER

Signed: \_\_\_Hugo Chan\_\_\_\_\_

Date: \_\_\_\_\_03.07.2025\_\_\_\_\_\_

Manufacturer	Tested model name	Short description of the tested hardware	Hardware version	Software / Firmware version	Specification Package	Provision (S02P01-Inventory, S02P02-Time,)	Consumption (502P01-Inventory, 502P02-Time,)	Power supply (Permanent   Ignition   Main switch   Full power   SLEEP mode   POE)	Ethernet implementation	FMS	Wireless communication s (GSM   GPS   WLAN)	Audio	Auxiliary (Low battery, Odometer, Doors, AnyDoorOpen, Awake request, Stop request, Full power)
MOXA	TN-4520B-12P-4G-4GP-T	M12 managed Ethernet switches with 20 ports. 12 FE ports, 4 GbE ports and 4 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 12x M12-D and 8x M12-X	N/A	N/A	N/A	N/A

Name: \_\_\_\_\_MOXA

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 communication s	Audio	Auxiliary
MOXA	TN-4508B-CT-T	8 ports, 8 FE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 8x M12-D	N/A	N/A	N/A	N/A
MOXA	TN-4512B-CT-T	12 ports, 12 FE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 12x M12-D	N/A	N/A	N/A	N/A
MOXA	TN-4512B-8P-4G-CT-T	12 ports, 8 FE ports, 4 GbE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 8x M12-D and 4x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4516B-CT-T	16 ports, 16 FE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 16x M12-D	N/A	N/A	N/A	N/A
MOXA	TN-4516B-8G-CT-T	16 ports, 8 FE ports, 8 GbE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 8x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4516B-8P-4G-4GP-CT-T	16 ports, 8 FE ports, 4 GbE ports, 4 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 8x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4516B-8P-4GP-4GBP-CT-T	16 ports, 8 FE ports, 4 GbE ports, 4 GbE PoE bypass ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 8x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4520B-12P-4G-4GP-CT-T	20 ports, 12 FE ports, 4 GbE ports, 4 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 12x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4520B-12P-4GP-4GBP-CT-T	20 ports, 12 FE ports, 4 GbE ports, 4 GbE PoE bypass ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 12x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
моха	TN-4528B-20P-4G-4GP-CT-T	28 ports, 20 FE ports, 4 GbE ports, 4 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 20x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
моха	TN-4528B-20P-4GP-4GBP-CT-T	28 ports, 20 FE ports, 4 GbE ports, 4 GbE PoE bypass ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 20x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4512B-4G-8GP-CT-T	12 ports, 4 GbE ports, 8 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 4x M12-D and 8x M12-X	N/A	N/A	N/A	N/A

## VARIANTS OF LABEL ID 20250226-0233

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.

DISCLAIMER

Signed: \_\_\_\_Hugo Chan\_\_\_\_\_\_ Date: \_\_\_\_\_03.07.2025\_\_\_\_\_\_

TN-4524B-16P-4GP-4GBP-CT-T

24 ports, 16 FE ports, 4 GbE PoE

ports, 4 GbE PoE bypass ports

v1.0.0

v2.0

Name: \_\_\_\_\_MOXA
Company Stamp: \_\_ MOXA

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 communication s (GSM   GPS   WLAN)	Audio	Auxiliary (Low battery, Odometer, Doors, AnyDoorOpen, Awake request, Stop request, Full power)
MOXA	TN-4520B-12P-4G-4GP-T	M12 managed Ethernet switches with 20 ports. 12 FE ports, 4 GbE ports and 4 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 12x M12-D and 8x M12-X	N/A	N/A	N/A	N/A
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 communication s	Audio	Auxiliary
моха	TN-4516B-4G-12GP-CT-T	16 ports, 4 GbE ports, 12 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 4x M12-D and 12x M12-X	N/A	N/A	N/A	N/A
моха	TN-4516B-12GP-4GBP-CT-T	16 ports, 12 GbE PoE ports, 4 GbE PoE bypass ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 12x M12-D and 4x M12-X	N/A	N/A	N/A	N/A
MOXA	TN-4524B-16P-4G-4GP-CT-T	24 ports, 16 FE ports, 4 GbE ports, 4 GbE PoE ports	v1.0.0	v2.0	Sequoia	S01P01-Inventory	N/A	Permanent, Ignition, SLEEP management	Native, 16x M12-D and 8x M12-X	N/A	N/A	N/A	N/A

Sequoia

S01P01-Inventory

Permanent, Ignition, SLEEP management

N/A

Native, 16x M12-D

and 8x M12-X

N/A

N/A

N/A

N/A

моха