



## ITxPT Module Labeling Report

REPORT ID	20240527-0196
DATE	29/11/2024
COMPANY	"manufacturer":"MOXA"
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
MOXA	TN-4516A-12POE-2GPOE-2GTXBP-T	v3.0	V3.13.0	TBCHD1087644

### Other module configurations included in the label as declared by IT supplier

Manufacturer	Model	Hardware version	Software version
MOXA	TN-4512A-WV-CT-T	N/A	V3.13.0
MOXA	TN-4516A-WV-CT-T	N/A	V3.13.0
MOXA	TN-4516A-4GTX-WV-CT-T	N/A	V3.13.0
MOXA	TN-4516A-4GTXBP-WV-CT-T	N/A	V3.13.0
MOXA	TN-4516A-12PoE-4GPOE-WV-CT-T	N/A	V3.13.0
MOXA	TN-4516A-12PoE-2GPOE-2GTXBP-WV-CT-T	N/A	V3.13.0
MOXA	TN-4516A-12PoE-2GPOE-2GODCWV-CT-T	N/A	V3.13.0
MOXA	TN-4520A-16PoE-4GPOE-WV-CT-T	N/A	V3.13.0
MOXA	TN-4524A-16PoE-WV-CT-T	N/A	V3.13.0
MOXA	TN-4528A-16PoE-4GPOE-WV-CT-T	N/A	V3.13.0
MOXA	TN-4528A-16PoE-2GPOE-2GTXBP-WV-CT-T	N/A	V3.13.0
MOXA	TN-4528A-16PoE-2GPOE-2GODCWV-CT-T	N/A	V3.13.0

### Hardware interfaces

Interface name	Provided status	Implementation level
Power supply	✓	Permanent, Ignition, Main switch
Ethernet	✓	M12
FMS	N/A	Optional ground
Wireless communications	N/A	GSM, GPS, WLAN
Audio	N/A	Stereo, mono, Driver, Passenger, External
Auxiliary	N/A	Low battery, Odometer, Doors, AnyDoorOpen, Awake request, Stop request, Full power

### Implemented services

Service	Operation	Provided status	Provided type	Consumed status	Consumed type
Module Inventory		✓	ibxpt_socket	N/A	ibxpt_socket and/or ibxpt_http
Time		N/A	sntp	N/A	sntp
GNSS Location		N/A	ibxpt_multicast	N/A	ibxpt_multicast
FMS to IP	Provision	N/A	ibxpt_multicast	N/A	ibxpt_multicast
	Configuration	N/A	ibxpt_http		ibxpt_http
VEHICLEtoIP		N/A	ibxpt_multicast	N/A	ibxpt_multicast
AVMS	Run Monitoring	N/A		N/A	
	Planned Pattern	N/A		N/A	
	Pattern Monitoring	N/A		N/A	
	Vehicle Monitoring	N/A	ibxpt_http	N/A	ibxpt_http
	Journey Monitoring	N/A		N/A	
	General Message	N/A		N/A	
	Connection Monitoring	N/A		N/A	
APC	Passenger door count	N/A	ibxpt_http	N/A	ibxpt_http
	Passenger vehicle count	N/A		N/A	
MADT	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	ibxpt_socket	N/A	ibxpt_socket
	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

COMMENT

