

ITxPT

ITxPT Module Labeling Report

REPORT ID20241008-0208

DATE04/06/2025

COMPANYBILLION

TESTERITxPT laboratory manager

SPECIFICATIONS01 - S02P00 to S02P09 (Sequoia Release)

TOOLS USED FOR THE TESTITxPT Laboratory

Module configuration tested by ITxPT laboratory

Manufacturer	Model	Hardware version	Software version	Unique Identifier
BILLION	M600-M12	1.01	1.00.1.191.s1	600347551eb5

Hardware interfaces

Interface name	Provided status	Implementation level
Power supply	✓	Permanent, Ignition, SLEEP management
Ethernet	✓	4 Native M12 X coded 8 pins
FMS	N/A	-
Wireless communications	✓	4 GSM, 1 GPS, 4 WLAN
Audio	N/A	-
Auxiliary	✓	Low battery

Implemented services

Service	Operation	Provided status	Provided type	Consumed status	Consumed type
Module Inventory		✓	itxpt_http	N/A	itxpt_http
Time		✓	sntp	N/A	sntp
GNSS Location		✓	itxpt_multicast	N/A	itxpt_multicast
FMS to P	Provision	N/A	itxpt_multicast	N/A	itxpt_multicast
	Configuration	N/A	itxpt_http	N/A	itxpt_http
VEHICLEtoP		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	
	Connection Monitoring	N/A		N/A	
APC	Passenger door count	N/A	itxpt_http	N/A	itxpt_http
	Passenger vehicle count	N/A		N/A	
MADT	MADT information	N/A	itxpt_socket	N/A	itxpt_socket
	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

ITxPT laboratory

COMPLIANT

VARIANTS OF LABEL ID

20241008-0208

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:

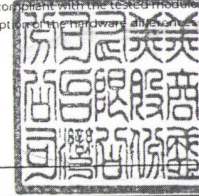
Date:

Elvis Chang
2025.7.4

Name:

Company Stamp:

Elvis Chang



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 (CSM GPS WLAN)	Audio	Auxiliary (Low battery, Odometer, Doors, AnyDoorOpen, Awake request, Stop request, Full power)
BILLION	M600-M12-FA 5G	Industrial/In-Vehicle Multi-Carrier 5G/LTE Router	1.01	1.00.1.191	Sequoia	S02P01-Inventory S02P02-Time S02P03-GNSSLocation	-	Permanent, Ignition, SLEEP	4 Native M12 X coded 8 pins	-	4 GSM, 1 GPS, 4 WLAN		

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
(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)	(please complete)
Billion Electric Co., Ltd	M600-M12-FA	M600-M12-FA 5G: support 4G and 5G M600-M12-FA: support 4G LTE only	1.01	1.00.1.191	Sequoia	S02P01-Inventory S02P02-Time S02P03-GNSSLocation	-	Permanent, Ignition, SLEEP	4 Native M12 X coded 8 pins	-	2 GSM, 1 GPS, 4 WLAN	No	No