TX HMI/PLC Series
Plug-In Module
UMTS Modem (2G and 3G)
TX-UMTS



- **Plug-in extension module for use with HMI/PLC of the TX700 series**
- **Supports GSM/GPRS/EDGE and UMTS/ HSDPA/HSUPA mobile networks**
- **2 digital inputs/2 digital outputs**
- **4 LED indicators (module status and network status)**
- **Micro SIM slot**
- **With plug-in extension slot**

Type designation	TX-UMTS
Ident no.	100009535
System power supply	From the HMI
Mobile interface modem	
2G mobile standard	GSM
	GPRS
	EDGE
	CSD
2G frequencies	Quad band: 850 MHz
	Quad band: 900 MHz
	Quad band: 1800 MHz
	Quad band: 1900 MHz
3G mobile standard	UMTS
	HSDPA
	HSUPA
3G frequencies	Penta band: 800 MHz
	Penta band: 850 MHz
	Penta band: 900 MHz
	Penta band: 1900 MHz
	Penta band: 2100 MHz
SIM card format	Micro-SIM (3FF)
Antenna interface	SMA connector
Antenna connection note	Antenna included in delivery.
Approvals and certificates	CE
Dimensions (W x L x H)	41.2 x 90.3 x 23.8mm
Operating temperature	-20…+60 °C
Storage temperature	-20…+70 °C
Relative humidity	5…85 % rel. humidity, non-condensing
Protection class	IP20
Housing material	Metal
Housing color	Silver
Mounting	On HMIs from the TX700 product series

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Connection and pin assignment

	Digital Inputs and Outputs Two digital inputs/two digital outputs (SSR). Male connector included in delivery.	Pin assignment  1 = OUT 1A 2 = OUT 1B 3 = OUT 2A 4 = OUT 2B 5 = IN 1+ 6 = IN 1– 7 = IN 2+ 8 = IN 2–

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LED Status (User-Configurable LEDs)

LED	Mode	Condition	Description
LED1	None	Not in use	Not in use
	User controlled	Via HMI application	Via HMI application
	Cloud	On	Up
		off	Down
		Flashing	ERROR
	Mobile connection	On	Up
		off	Down
		Flashing	ERROR
LED2	None	Not in use	Not in use
	User controlled	Via HMI application	Via HMI application
	Cloud	On	Up
		off	Down
		Flashing	ERROR
	Mobile connection	On	Up
		off	Down
		Flashing	ERROR

LED Status (Non-Configurable)

LED	Condition	Description
LED3	On	Modem active
	off	Modem inactive
LED4	Flashing	Network activity

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