

Training Course

ThingsPro Edge Basics (IIOT-TPE1)	
Objective	After this course, participants will be able to set up, use and manage a simple sensor-to-cloud application using Moxa's ThingsPro Edge software on a Moxa embedded computer like the UC product line.
Prerequisites	IIOT-MIL1 General knowledge of IIoT Linux knowledge Postman installed in laptop Azure IoT Explorer installed in laptop General understanding of Modbus Bring your own Azure IoT Hub [Azure subscription] Download and copy TPE .deb package into UC (download link will be provided)
Content	<p>Participants will learn in this session the following topics: ThingsPro Edge (TPE) Basics and Edge connectivity training will enable participants in establishing Edge to Cloud communication using Moxa's IIoT Gateways with TPE software. Participants will also understand how to manage the IIoT gateway with different tools TPE local web GUI, TPE Module Twin, TPE Restful API (optional).</p> <p>Knowledge acquired after training will be about: Participants will be able to understand the TPE architecture, participants will be able to understand what TPE software can offer in general , participants will be able to define the settings of an IIoT Gateway using TPE software and connection to Microsoft Azure IoT Hub, Participants will be able to understand the settings, management and operation of edge devices connected to ThingsPro Edge gateway for example: Using Modbus Simulator (TCP Slave) as data source.</p> <p>Participants will earn the following skills: Participants will learn how to install TPE software on bare metal Moxa IIoT gateway, participants will learn how to perform gateway configuration using TPE local Web configuration Interface, participants will be able to understand the operation of Device Management locally and remotely from the cloud, Participants will be able to understand different methods of device authentication to Azure cloud (Symmetric Key and TPM), participants will learn how to create device on IoT Hub, get the connection string, and register Moxa device to Hub (3 Stage Process), participants will be able to understand the usage of ThingsPro Edge Restful API to manage the device.</p>
Duration	0.5 Day
Certification	MTC IIOT