



Meerkat™

An Edge IIoT Gateway



Our IIoT Gateway Communicator **Meerkat**. We redesign & reimagine IIoT so that you remain the same !

PRODUCT FEATURES (OPERATING CONDITIONS: 24VDC, -20 DEG. TO 65 DEG. CELSIUS)

<p>Processor & System Configuration</p>	<ul style="list-style-type: none"> • CPU : STM32H7 (480 MHz) • RAM Memory: 1MB • FCC, CE & Thermal Stress Test Certified 	<p>1 1 1</p>
<p>Serial Ports & Comm.</p>	<ul style="list-style-type: none"> • RS-485 (Optional) / RS-232 (Optional) / CAN (Optional) • Ethernet (10/100 Mbps) • 4G Cellular Communication Module (Optional) • On-board SD Card for local data store 	<p>1 1 1 1</p>
<p>Software & OS</p>	<ul style="list-style-type: none"> • OS - Zephyr • Protocol Support & pre-compiled libs for MQTTs (Secure MQTT) (Optional) / HTTPs (Optional) / Modbus RTU/TCP (Optional) / BACnet IP & BACnet MSTP (Optional) / OPC-UA (Optional) / DLMS-COSEM (Optional) / CAN & CANopen (Optional) / IEC 61850 (Optional) • Secure Remote Over the Air Update (OTA) for Firmware Upgrades • Web/PC UI for settings & LUA/JS scripting enabled 	
<p>Security</p>	<ul style="list-style-type: none"> • Secure Boot Enabled with Firmware OTA • Encrypted executable code with device specific random key for code protection at rest • Data Encryption with device specific key • Encrypted key store protected against unauthorized read, including side loading of firmware with support for TLS 1.2/1.3 	
<p>Variants</p>	<ul style="list-style-type: none"> • Modbus (RTU/TCP) to IEC 61850 • RS232/RS485/Ethernet Modbus to OPC-UA • CAN-FD to IEC 61850 • RS232/RS485 DLMS-COSEM to MQTTs/HTTPS • BACNET IP/MSTP to MQTT 	