Tigo® Flex MLPE

CCA AND ACCESSORIES
Data Logger and Rapid Shutdown Controller

The Cloud Connect Advanced (CCA) is a compact, powerful data logger and the communication hub of the Tigo smart platform. It powers the monitoring and safety capabilities of Tigo smart modules.
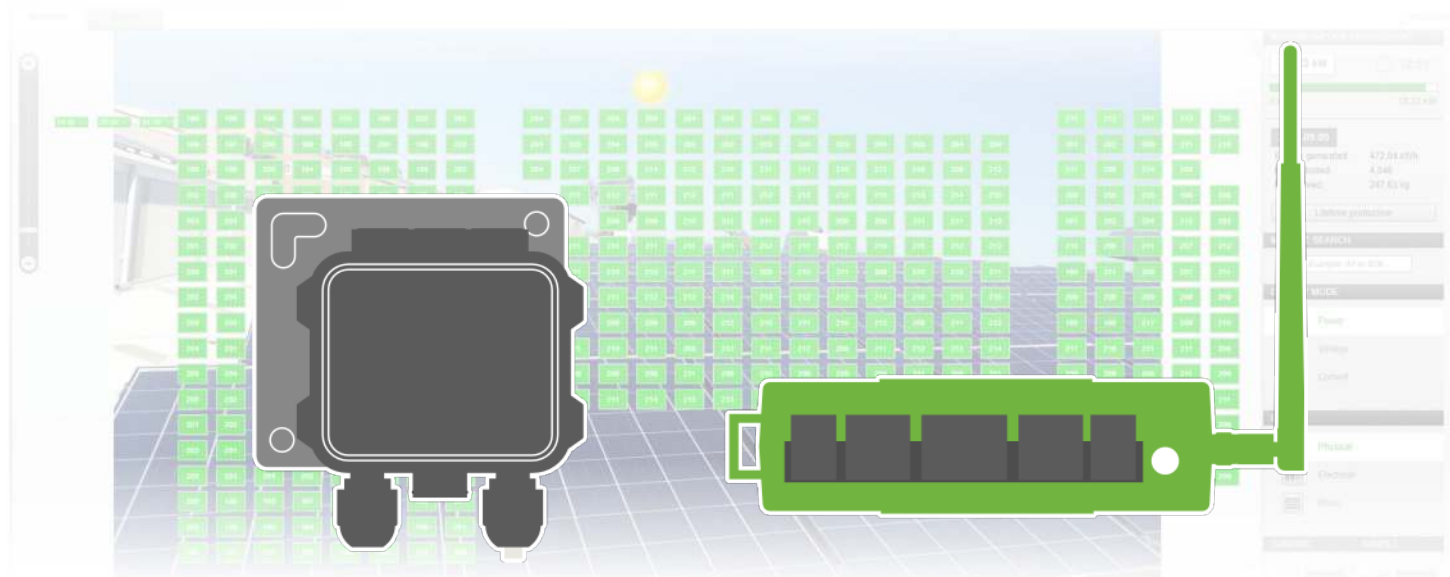
CONNECTIVITY
View module-level monitoring data through the Tigo cloud and quickly commission new installations with built-in wireless communication and the Tigo SMART app for Android and iOS.

SAFETY
Control module-level deactivation for Tigo systems to comply with NEC 2014 and 2017 690.12 Rapid Shutdown requirements.

FLEXIBILITY
Read data from a wide range of 3rd party devices, including Modbus-equipped inverters, charge controllers, weather stations, and revenue grade meters.

CLOUD CONNECT ADVANCED (CCA)
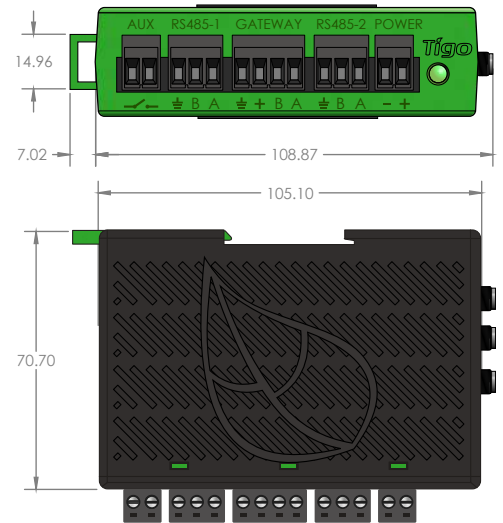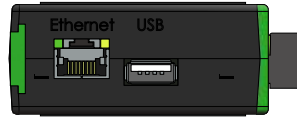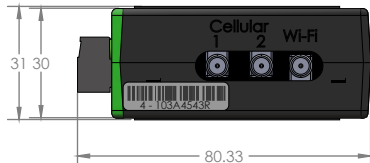
COMPACT DATA LOGGER

Collect data from up to 900 TS4 units

Supports wired and wireless networks

Control monitoring and safety features

Configure and commission with Tigo SMART app

Monitor 3rd party devices via Modbus

All dimensions in mm

Mechanical Specifications

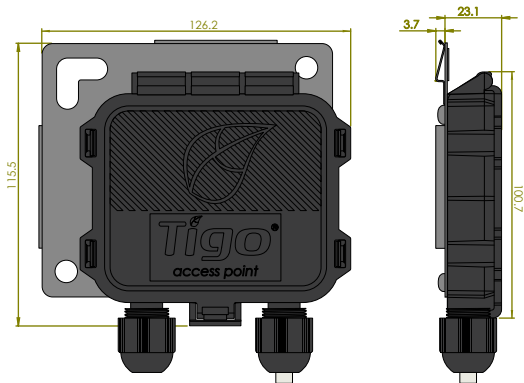Dimensions (CCA only): 31mm x 115.51mm x 71.54mm

Weight (CCA only): 126g

Operating Temperature Range (CCA only): -20°C to +70°C (-4°F to +158°F)

Cooling: Natural Convection

Environmental rating: IP68, Type 4R (in outdoor enclosure)

TIGO ACCESS POINT (TAP)

WIRELESS ACCESS POINT

Collect data from up to 300 TS4 units
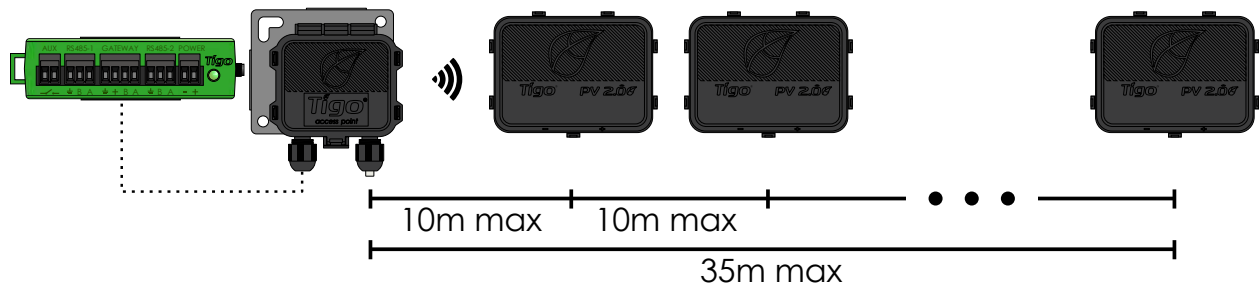
Wireless mesh communication

High definition sampling rate

Scalable architecture

Mounts easily on module frame without tools

All dimensions in mm

10m max   10m max

35m max

Mechanical Specifications

Dimensions: 126.2mm x 130.0mm x 26.8mm (with bracket)

Weight: 227g (0.5lbs)

Operating temperature range: -20°C to +85°C (-4°F to 185°F)

Environmental rating: IP68, Type 4R

ALWAYS CONNECTED

Compact, DIN rail mountable

Supports wired and wireless networks

Connects to 3rd party devices via Modbus

Android/iOS app for monitoring and commissioning

Controls rapid shutdown for Tigo TS4 units

IP68, Type 4R rated outdoor enclosure

Pictured: CCA with DIN rail PSU
in Outdoor Enclosure

Electrical	
Cloud Connect Advanced (CCA)	
Input Voltage: $10V_{DC}$ - $25V_{DC}$	
Power Consumption: 3W - 7W	
Power Supply	
Input Voltage: $100V_{AC}$ - $240V_{AC}$	
Capacity	
Each CCA supports up to 900 TS4 units and up to 7 TAPs	
Each TAP supports up to 300 TS4 units up to 115ft (35m) away	
Mechanical Specifications	
Dimensions (outdoor enclosure): 115mm x 278.4mm x 203mm	
Weight (CCA in enclosure with power supply): 1.1kg	
Operating Temperature Range (CCA only): -20°C to +70°C (-4°F to +158°F)	
Cooling: Natural Convection	
Environmental rating: IP68, Type 4R (in outdoor enclosure)	
User Interface	
Mobile App: Tigo SMART App for Android and iOS	
Multi-function LED status indicator	

ORDERING OPTIONS

Item #	Description
348-00000-52	CCA kit with TAP, DIN rail power supply, outdoor enclosure
348-00000-62	CCA kit with TAP, outlet power supply, outdoor enclosure
344-00000-52	CCA kit with TAP, DIN rail power supply
344-00000-62	CCA kit with TAP, outlet power supply
348-00000-10	CCA, DIN rail power supply, outdoor enclosure
	Extended warranty for CCA (+5 years)

For sales info:
sales@tigoenergy.com or 1.408.402.0802

For product info:
Visit tigoenergy.com/products

For technical info:
Visit support.tigoenergy.com

For additional info and product selection assistance, use Tigo's online design tool at tigoenergy.com/design

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PV 2.0