ADVANCED COMMUNICATIONS AND COMPACT SIZE

• Cloud Connect Advanced (CCA) is one of the smallest communication data loggers on the market.
• Connects smart modules to the Cloud and the Tigo Smart Monitoring software.
• Enables module level disconnect, on-site and remote configuration through Tigo's mobile app.
• Comes with RS-485 port software and hardware for robust third party compatibility: read and report data from Modbus equipped inverters, charge controllers, weather stations, smart combiner boxes, and revenue grade meters.
See list of supported devices: https://support.tigoenergy.com/hc/en-us
• Equipped with Tigo Smart OS, able to support custom applications through extensive APIs.

INTERNET CONNECTION
Internet connection via Ethernet, Wi-Fi, or optional cellular* connectivity built in.

MOBILE APP SET UP AND ACCESS
Configure the CCA with the Tigo SMART App.
The Wi-Fi capabilities of the CCA provide direct access and straightforward commissioning.

COST EFFECTIVE
Advanced technologies make the CCA cost-effective for large scale deployment.

APPLICATION PLATFORM
Tigo® Smart OS allows third parties to develop and deploy apps to the Cloud Connect through the Tigo® app store.

*Available only for the US market
**CCA Consumption**

- **Input Voltage:** 6VDC - 25VDC (12VDC minimum when using Gateways, 24VDC for 2+ Gateways)
- **Input Current:** 1.8 A Maximum (internally protected and self-resetting)
- **Power Consumption:** Typical (with 1 GW): Less than 3W. Max. 16W
  - 0.5W for each added Gateway
  - 5W Max for cellular option

**Available ports**

- RS485-1 AND RS485-2 for Inverter/AC Meter/MODBUS/etc...
- Aux. Switch - Digital 1/0
- USB 2.0, output 5W, 1A

**Power supply**

- Input voltage: 100-240VAC, 50-60 Hz
- Form factor options: DIN Rail (part number: 344-00000-00) OR Socket (Part number: 344-00000-10)

**Capacity**

Each Cloud Connect Supports up to 360 PV Modules. For more options visit: https://support.tigoenergy.com/hc/en-us/articles/201998767

**Internet Connectivity Options**

- Ethernet Interface: 10/100-BaseT with Straight-Through or Crossover cable detection.
- Wireless Interface: Wi-Fi, IEEE 802.11 b/g/n 2.4 ghz
- Cellular Modem: Verizon LTE (USA ONLY. Optional, sold separately)
  - One Wi-Fi Antenna: 2.4–2.5 GHz, 50Ω (RP-SMA plug, Male)
  - Two LTE Antennas: 2.4–2.5 GHz, 50Ω (SMA plug, Male)

**Mechanicals**

- DIN Rail, mountable enclosure
- Dimensions (with housing, no antennas, WxHxD): 31mm x 115.51mm x 71.54mm (1.22” X 4.55” X 2.82”)
- Weight (CCA + Housing): 126g / 0.278 lb.
- Weight (CCA + Housing + Modem): 0.158 kg / 0.348 lb.
- Operating Temperature Range: -20°C to +70°C (-4° to 158°F)
- Cooling: Natural Convection – No Fans

**User Interface**

- Mobile App: iOS and Android (connected via Wi-Fi directly to CCA)

For supported protocols and devices, see: https://support.tigoenergy.com/hc/en-us/sections/200408647

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For ordering information
Contact: sales@tigoenergy.com
Or call: 1.408.402.0802

For more information about Tigo products:
Go to www.tigoenergy.com/products

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