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

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

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

Electrical

Cloud Connect Advanced (CCA)
Input Voltage: 10V\textsubscript{DC} - 25V\textsubscript{DC}
Power Consumption: 3W - 7W

Power Supply
Input Voltage: 100V\textsubscript{AC} - 240V\textsubscript{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

<table>
<thead>
<tr>
<th>Item #</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>348-00000-52</td>
<td>CCA kit with TAP, DIN rail power supply, outdoor enclosure</td>
</tr>
<tr>
<td>348-00000-62</td>
<td>CCA kit with TAP, outlet power supply, outdoor enclosure</td>
</tr>
<tr>
<td>344-00000-52</td>
<td>CCA kit with TAP, DIN rail power supply</td>
</tr>
<tr>
<td>344-00000-62</td>
<td>CCA kit with TAP, outlet power supply</td>
</tr>
<tr>
<td>348-00000-10</td>
<td>CCA, DIN rail power supply, outdoor enclosure, Extended warranty for CCA (+5 years)</td>
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</tbody>
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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