

## ARROWHEAD EC-i 4G Plug in 4G APP Dashboard Module For EC or EC-i Instruction Manual

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**ARROWHEAD EC-i 4G Plug in 4G APP Dashboard Module For EC or EC-i Instruction Manual**



## EC-i 4G Manual v10

Plug in 4G APP/Dashboard/Monitoring module for EC or EC-i  
EC or EC-i must be 'V10.3.45' & above to support EC-i 4G

### Specifications

Support EliteCloud APP, Dashboard & IP Monitoring  
Power Supplied from 'EC' or 'EC-i'  
EXP A Port  
Current Draw 50mA max  
Compatibility EC or EC-i (V10.3.45 or above)  
Antenna Included (also includes 200mm 'chassis mount' extension)  
Frequency Bands LTE-FDD-B1/3/7/8/20/28 GSM-B3/8  
Dual SIM Yes  
Reporting Path Primary cellular or backup  
IP Reporting CSV, Patriot & DC009

### Features (Primary or Backup Cellular)

The 'EC-i 4G' creates a cellular connection for the 'EC' or 'EC-i' control panel. This allows access to the 'EliteCloud APP', 'Dashboard' & 'IP Monitoring' without the need for an Ethernet connection.



This provides a 'Primary Cellular  
Dimensions 74 x 39 X 55mm max Connection' (no Ethernet required) or a 'Cellular Backup Connection' (along with Ethernet) for APP, dashboard or monitoring purposes.

### Hardware Checklist

Insert activated 'nano sim' into 'Sim1' &/or 'Sim2' Port => EC1 48 EE

The 'EC' or 'EC-i' control panel must be powered

OFF before plugging in the 'EC-i 4G' module. . &

The 'EC-i 4G' plugs directly onto the 'EC' or 'EC-i'

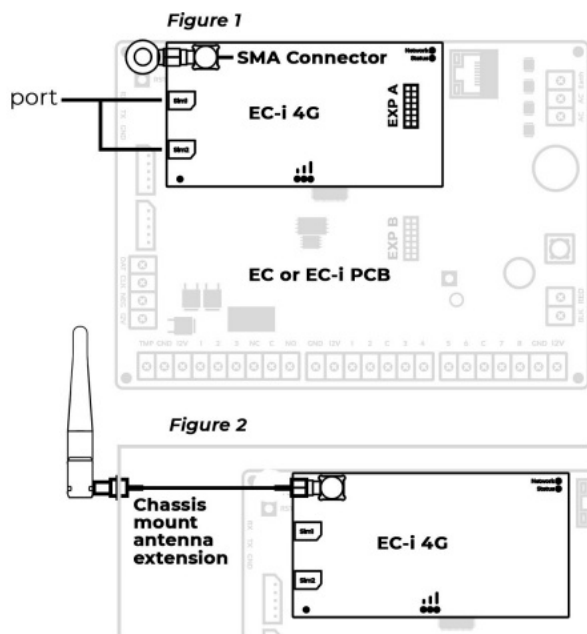
'EXP A' port as shown in figure 1. EC or EC-i PCB

Secure EC-i 4G module with supplied stand-off x 3

Ensure the supplied antenna is securely screwed directly onto the gold SMA connector as shown in figure 1. Figure 2

The 'chassis mount antenna extension' provided L = should be utilised to mount the antenna outside – Chassis of metal enclosures as shown in figure 2. mount = antenna EC-i 4G R R extension Power up the EC-i control panel. The 'EC-i 4G' takes =

30 – 60 seconds to power ON & initiate connection, . however this process can take up to 5 minutes.



## Cloud, Browser & Keypad Diagnostics

Reporting path, signal strength & 'EC-i 4G' modem reset can be accessed via the 'EC' or 'EC-i' built in web browser or EliteCloud dashboard within the 'System' tab.

Alternatively the 'EC-LCD' keypad can report this information as detailed below:

EC-i Reporting Path – Press & hold number 6 ('ETH' or '4G' will be displayed. Press ENTER to exit)

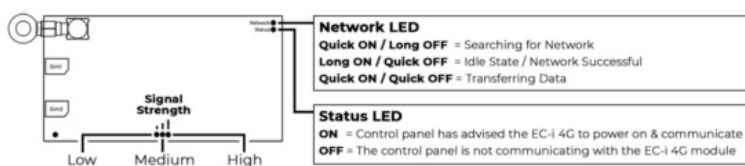
Signal Strength – Installer programming – P200E18E

EC-i 4G Modem Reset – Installer Programming – P200E20E

This information can also be accessed within the 'EC-TOUCH' 'Service' tab (coming soon)

## LED Indicator Diagnostics

The 'Status', 'Network' & 'Signal' LEDs found on board the 'EC-i 4G' hardware can be used to identify the module status as detailed below:



## Estimated Data Usage

The EC-i 4G data usage will vary dramatically depending on how regularly the device is communicating with the EliteCloud server &/or central monitoring station.

The examples below are estimates only and are likely to vary from site to site:

Monitoring (Calculated based on polling only with cloud connection OFF) 1 minute polling = 20Mb/month

4 hourly polling = 80Kb/month

EliteCloud APP (No central monitoring)

APP usage estimated at 2 – 3 times per day = 7 – 10Mb/month

EliteCloud Installer Dashboard

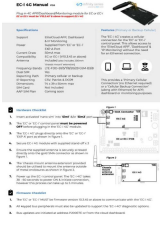
There is no data available for this due to the wide variation of use cases for this service.

## Cloud Connection Options

If the EC-i 4G is to be used for monitoring purposes only (no APP or dashboard) then it is recommended to turn off the EC-i cloud connection to save data. This is performed at address P201E4E Turn option 5 ON E (option 5 on = Cloud connection disabled).

***Read More About This Manual & Download PDF:***

## Documents / Resources

	<p><b><a href="#">ARROWHEAD EC-i 4G Plug in 4G APP Dashboard Module For EC or EC-i</a> [pdf] Instruction Manual</b></p> <p>EC-i 4G Plug in 4G APP Dashboard Module For EC or EC-i, EC-i 4G, Plug in 4G APP Dashboard Module For EC or EC-i, Dashboard Module For EC or EC-i, Module For EC or EC-i</p>
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## References

- [User Manual](#)

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