

M4X Quick Start Guide

Typical parts needed for installation

-) Cellular antennas
-) Wi-Fi antenna
-) T30 torx key
-) GPS antenna
-) 24 VDC power supply
-) SIM cards with pin code disabled



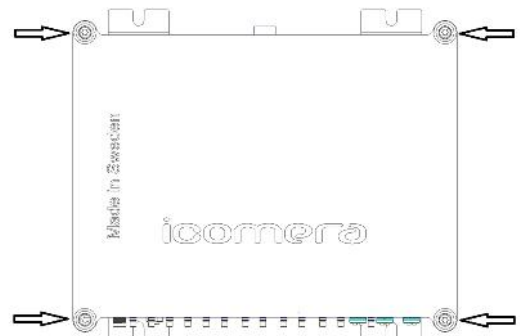
Installing the wrong antenna to the wrong connector will damage the system

Mounting of SIM cards should be carried out in an ESD-protected area



- To install the SIM cards, start by removing the four screws holding the top lid.

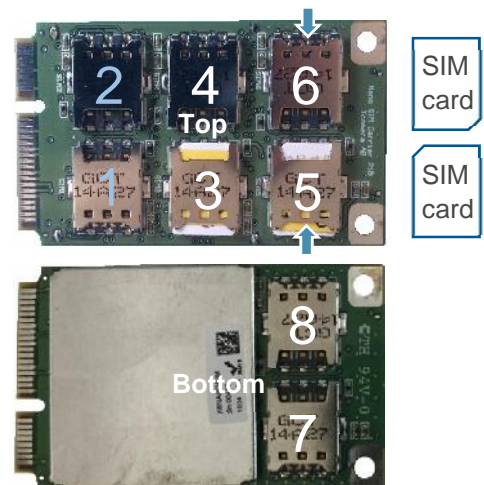
Torx



- Insert the SIM cards ALL the way into the slots, with the circuits facing down, in the direction of the arrows in the photo. There are two dedicated SIM slots/cards for each modem, see Table 1.

Table 1. The modems' dedicated SIM slots

SIM Slot	Cellular Antenna QMA Connector	Modem
3, 4	A3, M3	1 (modem slot 3)
5, 6	A4, M4	2 (modem slot 4)
7, 8	A5, M5	3 (modem slot 5)



- Reattach the top lid.
- Connect cellular antennas as in Table 1, above.

When connecting Wi-Fi antennas, use connectors A1B, A1A and M1 for the main Wi-Fi antenna and A2B, A2A and M2 for the second Wi-Fi antenna, see Figure 1.



Figure 1. Wi-Fi antenna connectors

The M4X should be connected to 24 VDC with the supplied cable, which includes a M12 connector. The cable wires are labelled with their position in the connector, as in Table 2 and Figure 2.

Table 2. Polarity of power connector

Signal Name	M12 Connector Pin
VDC	1 & 4
GND	2 & 3
Input (currently not used)	5

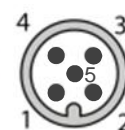


Figure 2. M12-5 A (m) M4X connector pinning