2-IN-1 Snap On module

UG

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Europe – EU Declaration of Conformity

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC and EMC directive 2004/108/EC. The following test methods have been applied in order to prove presumption of conformity with the essential requirements of the R&TTE Directive 1999/5/EC and EMC directive 2004/108/EC:

< EN 55022: 2010 + AC: 2011
< EN 61000-3-2 : 2006 + A2 2009
< EN 61000-3-3 : 2008
< EN 55024: 2010
(IEC 61000-4-2: 2008;
IEC 61000-4-3: 2010;
IEC 61000-4-4: 2012;
IEC 61000-4-5: 2005;
IEC 61000-4-6: 2008;
IEC 61000-4-8: 2009;
IEC 61000-4-11: 2004)
< EN 60950-1: 2005 + A1
Safety of information technology equipment
< EN 300 328 V1.7.1: 2006
< EN 302 291 -1/ -2
< EN 62311: 2008

Specification

The 2-IN-1SNAP ON MODULE is a flexible, With following specifications that can be applied in diverse operational environments and implemented in multi-faceted applications.

- **Barcode Scanner :**
  - < **Decoded Mode :**
    - 1D Symbologies : EAN/UPC, RSS, Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved, Matrix, Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen, postal codes.
    - 2D Symbologies: Data Matrix, PDF417, Micro PDF 417, Maxicode, QR, Aztec, EAN.UCC composite.
    -
- **GPS :**
  - < **Channel :**
    - 50 channel all-in-view tracking
    - GPS,GLONASS support
    - 1 x Signal Color LED (Blue)
- **CAC :**
  - Supports ISO/IEC 7816 standard
  - Supports PC Smart Card industry standard: PC/SC 1.0 & 2.0
  - Works with 5V, 3V and 1.8V Smart cards

- **GPS :**

'- ISO/IEC 14443A, 14443B, 15693

- Mifare 1K/4K, Ultralight

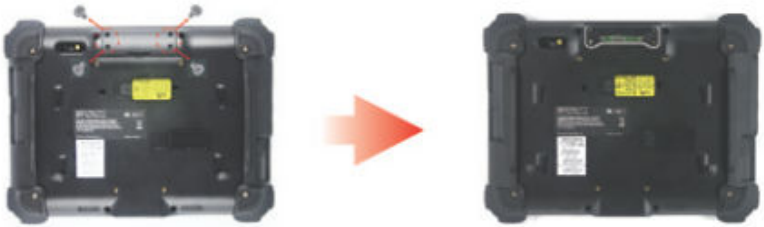
- NFC-IP1 Protocol

Using a Barcode Scanner /GPS Module

The System provides barcode scanner/GPS functions for your optional selection, before installing either of these two modules on the top side of the system, please remove the screws previously (illustrated in the following graphics as indicated step 1).

To install the Barcode Scanner/GPS Module:

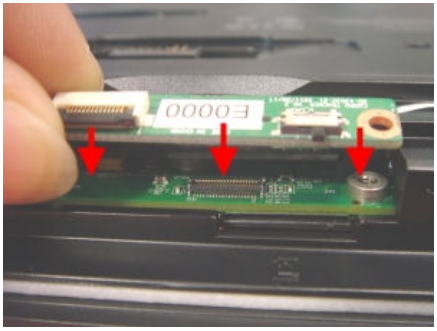
1. Make sure the system is turned off. Unscrew four screws from the accessory door on top of the system.



2. Mount and secure the Barcode daughter board into the mainboard with screws.

Barcode/MSR daughter Board

3. Insert FFC cable of barcode scanner into connector slot or attached the GPS cable to the connectors on the daughter board.



4. Screw to secure the Barcode Scanner/GPS onto the tablet.

GPS:

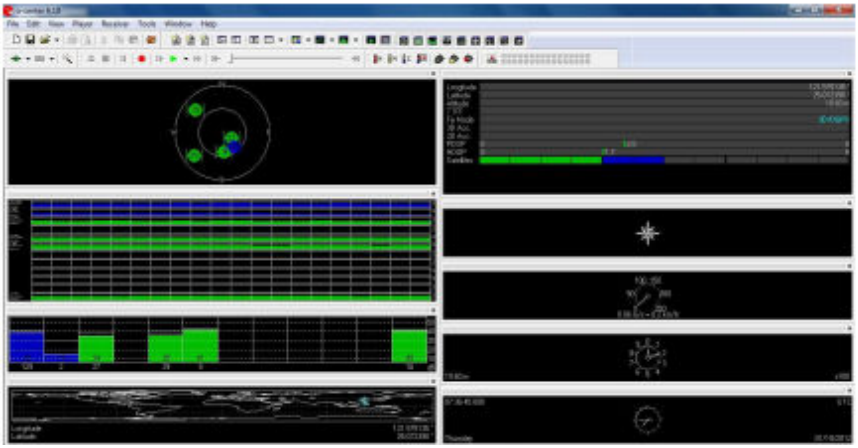
1). Set baud rate to 9600bps

2). Connect to GPS module via appropriate serial port#

→ For GP01 (on main tablet unit): please check under device manager under COM&LPT ports, choose the Enhanced

COM port# corresponding to 1st set of "Silicon Labs Dual CP210x USB to UART Bridge: “Enhanced” COM Port

(COMx)

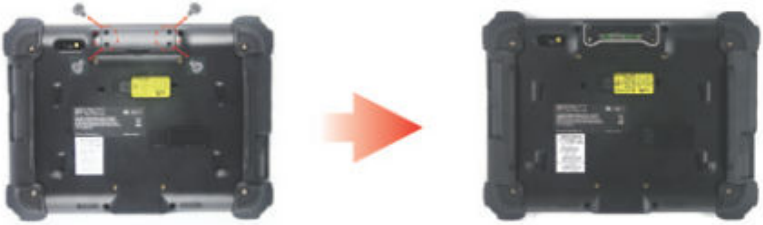


Using a NFC /GPS Module

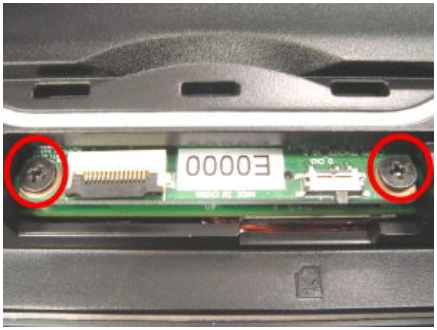
The System provides NFC/GPS functions for your optional selection, before installing either of these two modules on the top side of the system, please remove the screws previously (illustrated in the following graphics as indicated step 1).

To install the NFC/GPS Module:

5. Make sure the system is turned off. Unscrew four screws from the accessory door on top of the system.



6. Mount and secure the Daughter board into the mainboard with screws.



7. Insert FFC cable of barcode scanner into connector slot or attached the NFC/GPS cable to the connectors on the daughter board.

8. Screw to secure the NFC/GPS onto the tablet.

9. The RFID read range of this module will vary from approximately 40 ~50mm depending on the following factors;

9.1. The shape and size of the RFID tag. Large Size RFID tags have longer read range (Smaller tags have a smaller RF

radiating field)

9.2. Any metallic objects near the RFID tag will effectively reduce the read range

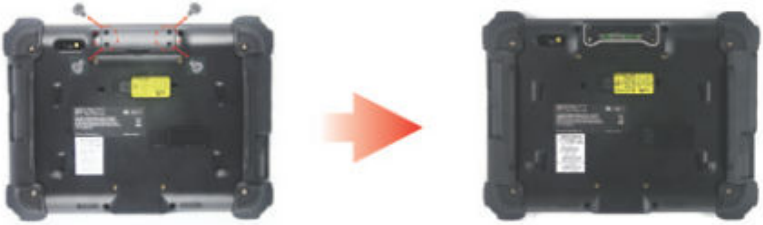
9.3. Any electrical interference from surrounding electrical equipment may reduce read range.

Using a CAC /GPS Module

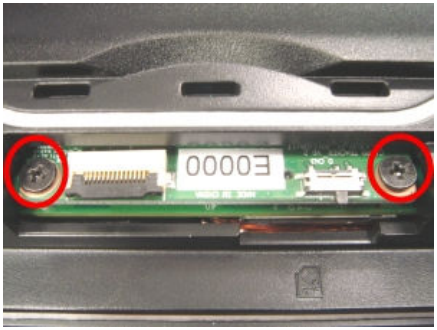
The System provides CAC/GPS functions for your optional selection, before installing either of these two modules on the top side of the system, please remove the screws previously (illustrated in the following graphics as indicated step 1).

To install the CAC/GPS Module:

9. Make sure the system is turned off. Unscrew four screws from the accessory door on top of the system.



10. Mount and secure the Daughter board into the mainboard with screws.



11. Insert FFC cable of barcode scanner into connector slot or attached the CAC/GPS cable to the connectors on the daughter board.

12. Screw to secure the CAC/GPS onto the tablet.