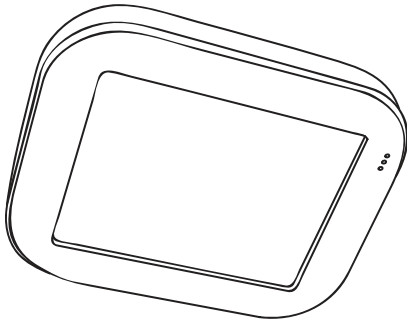


# Ironforge Core

MB v1.8A



## Material List

Description	Qty
A 3.5" LCD with Touch Screen.....	1
B Plastic Front Bezel .....	1
C Gasket .....	1
D Aluminum Frame .....	1
E Screws to attach Aluminum Frame to Front Bezel .....	4
F Motherboard Circuit Card Assembly .....	1
G Daugthercard Circuit Card Assembly .....	1
H Chumbilical Flex Cable from Daughter card CCA to Motherboard CCA .....	1
I Wifi Riser Circuit Card Assembly .....	1
J USB Wifi Dongle.....	1
K Flex Cable for Wifi Riser CCA to Motherboard CCA .....	1
L Screws for Wifi Riser CCA to Motherboard CCA .....	3
M Standoffs for screws for Wifi Riser CCA to Motherboard CCA .....	3
N Speakers .....	2
O Screws for Speaker to Plastic Speaker Holder .....	4
P Plastic Speaker Holder .....	1
Q Switch for Bend Sensor .....	1
R Plastic Switch Holder .....	1
S 2 wire cable with 2 pin connector(from Daughterboard CCA to switch) .....	1
T Screws to Attach Switch to Plastic Switch Holder .....	2
U 12 V DC 1A Power Supply .....	1

Secure wifi riser cca (part I) to front bezel assembly using screws and standoffs (parts L and M x3 ea).

For speaker assembly, install speakers (part N) into plastic speaker base (part P) using screws (part O x2).

For switch assembly, solder wires from switch cable assembly (part S) to switch tabs. Polarity does not matter. Plug switch into daughter card assembly (part G).

Plug left speaker cable (part N) into daughter card assembly reference location P11 (part G). Plug right speaker cable (part number) into daughter card assembly, reference location P13 (part G).

Insert daughtercard assembly into speaker assembly (some force is required). Secure daughtercard assembly into speaker assembly using screws (part O x2). Secure the switch (part Q) to the plastic switch holder (part R) using screws (part T x2).

Connect chumbilical (part H) to connector on daughtercard assembly (on part G).

Connect power cord (part U) to daughtercard power supply connector (on part G).

Enjoy!

## Instructions

Carefully remove gasket (part C) from paper carrier and stick to inside of front bezel (part B). This gasket prevents the bezel from contacting the touchscreen.

Remove the protective film from LCD (part A) and place inside front bezel (part B).

Screw aluminum frame (part D) to LCD front bezel assembly (part A + B) using screws (part E x4).

NOTE: if heat is a concern, add small amount of low oil content thermal grease to rear of LCD before screwing down aluminum frame. NOTE: Pay attention to the orientation - the flex ribbon cable should be toward the bottom of the front bezel and the bent heatsink of the aluminum frame should be toward the left side.

Slide motherboard assembly (part F) under the heatsink bend of aluminum frame (part D). The motherboard should be oriented so the 60 pin flex cable connector is in the correct location to insert the flex cable from the LCD. Make sure to place the microphone on the rear side of the motherboard assembly into the speaker hole in the front bezel.

Carefully lift the 60 pin ribbon cable connector tab up (on part F) and insert the LCD flex cable (from part A) into the connector and clamp down on the cable to secure. Make sure the cable is straight and fully inserted into the connector.

Insert either side of the chumbilical cable (part H) into motherboard assembly connector (on part F).

Insert USB wifi dongle (part J) into USB connector on wifi riser assembly (on part I).

Insert flex cable (part K) into 4 pin flex connector on motherboard (on part F), shiny side up.

Place wifi riser CCA (part I) over chumbilical cable (part H). While holding board, use your other hand to insert flex cable (part K) into 4 pin connector on motherboard (on part F) - shiny side away from chumbilical.

