



wp



ESP32 Surcude





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```
function parseSDS(buffer) {
  // Formula from the spec:
  // PM2.5 value: PM2.5 (ug/m3) = ((PM2.5 high byte*256) + PM2.5 low byte) / 10
  // PM10 value: PM10 (ug/m3) = ((PM10 high byte*256) + PM10 low byte) / 10
  let pm2_5 = (buffer.charCodeAt(2) | (buffer.charCodeAt(3) << 8)) / 10.0;
  let pm10 = (buffer.charCodeAt(4) | (buffer.charCodeAt(5) << 8)) / 10.0;

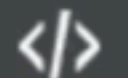
  return {
    pm2_5: pm2_5,
    pm10: pm10
  };
}

Serial2.setup(9600, { tx:D17, rx:D16 });

Serial2.on('data', function (buffer) {
  print(parseSDS(buffer));
});
```



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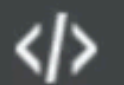
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7
8      return {
9          pm2_5: pm2_5,
10         pm10: pm10
11     };
12 }
13
14 Serial2.setup(9600, { tx:D17, rx:D16 });
15
16 Serial2.on('data', function (buffer) {
17     print(parseSDS(buffer));
18 });
19
20 |
    
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# ESP32 Source Code



The screenshot shows the Espruino Web IDE interface. The title bar reads "ESPRUINO WEB IDE". The left sidebar contains icons for a file explorer, a console, and a code editor. The main editor area displays the following code:

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11  };
12 }
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14 Serial2.setup(9600, { tx:D17, rx:D16 });
15
16 Serial2.on('data', function (buffer) {
17   print(parseSDS(buffer));
18 });
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20 |
```

The status bar at the bottom indicates "CONNECTED TO PORT /DEV/CU.SLAB\_USBTOUART" on the left and "CU.SLAB\_USBTOUART" on the right.

# Broadcast data with HTTP