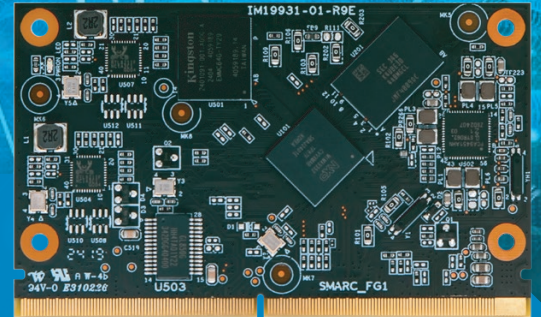


```

unitmask = unitmask >> 1;
}
return(i + 'A');

RESULT CALLBACK CddaDataModel::Static
switch (uMsg) {
case WM_DEVICECHANGE: {
    // ...
    // ...
    // ...
}
}
    
```



# IM1-9931

## NXP I.MX93 CPU SMARC V2.1.1 MODULE



NXP I.MX93 Processors



- 1 x LVDS (1280 x 720 @60 Hz)
- 1 x MIPI-DSI (1920 x 1080 @60 Hz)
- 1 x MIPI-CSI (1920 x 1080 @60 Hz)



SMARC V2.1.1 Pinout  
82 mm x 50 mm (3.23" x 1.97")

### CPU

<b>CPU</b>	NXP i.MX93 Processors
<b>Multicore Processing</b>	1-2x ARM Cortex-A55 @1.7 GHz ARM Cortex-M33 @250 MHz ARM Ethos™ U-65 microNPU

### System

<b>GPU</b>	Hardware Composer for Bleding/Composition, Resize, Color Space Conversion
<b>System Memory</b>	2 GB/ 4 GB/ 8GB, Onboard LPDDR4x
<b>Storage</b>	16 GB/ 32 GB/ 64 GB, eMMC
<b>TPM</b>	Optional: TPM2.0
<b>Power Requirement</b>	DC-IN 5 V, supports 3.6 ~5.25V
<b>Dimensions</b>	82 mm x 50 mm (3.23" x 1.97")
<b>Operating system</b>	Yocto 4.2
<b>Operating Temperature</b>	Commercial: 0°C ~60°C (32°F ~140°F) @0.7m/s Air Flow Industrial: -40°C ~85°C (-40°F ~185°F) @0.7m/s Air Flow
<b>Storage Temperature</b>	-55°C ~150°C (-67°F ~302°F)
<b>Operating Humidity</b>	5% ~90% (non-condensing)
<b>Humidity</b>	5% ~95% (non-condensing)

### I/O Signal

<b>Display</b>	1 x 4-lane MIPI-DSI (1920 x 1080 @60 Hz) 1 x Single-channel LVDS (1280 x 720 @60 Hz)
<b>Camera</b>	1 x 2-lane MIPI-CSI (1920 x 1080 @60 Hz)
<b>Audio</b>	2 x I2S
<b>Wi-Fi/BT</b>	1 x SDIO3.0
<b>Ethernet</b>	2 x 10/100/1000 Mbps Ethernet
<b>USB</b>	1 x USB2.0 OTG, 4 x USB2.0
<b>Serial Port</b>	2 x 4-wire UART, 2 x 2-wire UART 2 x SPI, 5 x I2C
<b>CAN</b>	2 x CAN-FD
<b>GPIO</b>	10 x GPIO, 2 x GPIO colay with 1 x I2C

### Order information

<b>IM1-9931</b>	CPU: NXP i.MX93 family CPU Memory: 2 GB, Onboard LPDDR4x Storage: 16 GB, Onboard eMMC
<b>Optional</b>	Carrier Board: Giada IB3-9931