



SILICON

— S I G N A L S —

Inception To Adaption

Your Next
Design **Partner!**



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Welcome To Our Corporation

Silicon Signals, a hardware design, global R&D, and product engineering service provider, delivers a comprehensive suite of Embedded Design and Product Engineering services focused on transforming concepts into market-ready products.

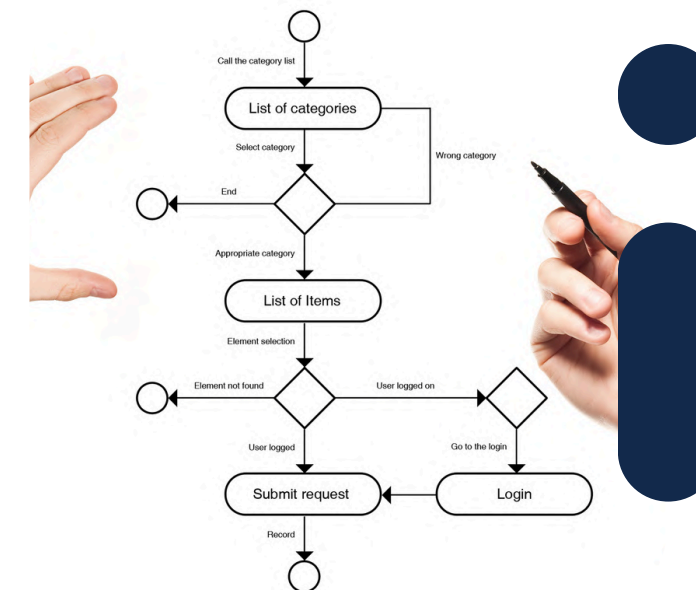
We bring deep, hands-on experience in building products across diverse sectors such as Camera, Audio, Multimedia, Consumer, Automotive, and Wearables, with expertise spanning every stage of the product lifecycle.

Corporate Insights

Empowering tech innovation through expertise in custom firmware, real-time systems, open source, web and digital QA, mobile development, and seamless hardware–software-mechanical integration. Join us to turn possibilities into reality.

12+ Years of Experienced Team

When great products are being engineered, we will provide the back-bone.





To be Global Leader in R&D, Technology,
Product Engineering and Solutions



Making Technology Easy—Uniting
Silicon, System Software, and
Innovators Across the Globe.

Our Partner Ecosystem

QNX

 Toradex | Proven Partner

LANTRONIX®

STREAMBOX
MEDIA

Backed By
 micromax



mecha



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Industries we serve



AGRICULTURE



CONSUMERS



IOT



WEARABLES



AVIONICS



AUTOMATIVE



HEALTHTECH



MULTI-MEDIA



**HOME
AUTOMATION**



**INDUSTRIAL
AUTOMATION**

Infrastructure



Hardware Lab



QA & Testing



Conference Rooms



Secure IT Infrastructure



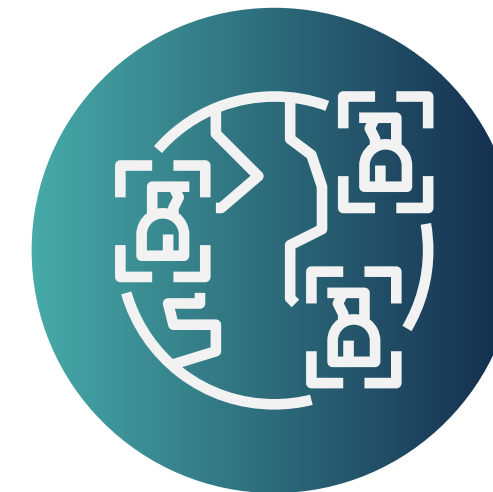
Data Centers



Security Measures



Research & Development



Global Reach



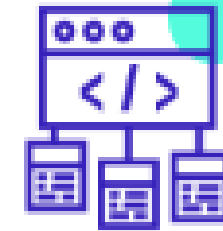
What are we offering ?



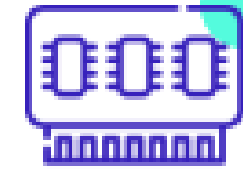
**Product Engineering
services**



**Embedded software
solutions**



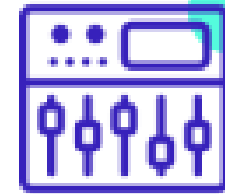
**Middleware/HAL/Framework
/Firmware development**



**Micro processor/ Micro controller
based solutions**



**Expertise in BSP- Linux,
Android (AOSP), QNX**



**High Speed/Low speed
board design**



Board Bring Up



**Bootloaders Development / customization,
Boot time optimisations**



**Device Driver
development**



**OS porting/
customising- RTOS, GPOS**



Protocol writing



**Embedded Application
development**



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Our Expertise in Platforms



Our Embedded GUI Experties



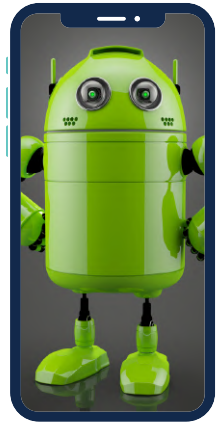
TouchGFX



GTK



Key Project Deliveries



- **Android Porting on Phone (Support Partners)**

Providing and maintaining a successful updates on Qualcomm, Snapdragon, MSM8953 chipset based phone with consecutive Android 10,11,12,13, 14 and 15(Latest) ports.



- **Porting of Camera ISP Stack**

Enabled camera ISP pipeline on Qualcomm Snapdragon 410 based custom hardware running Linux kernel version 4.14



- **ECU Board bring-up (Automotive)**

BringUp of AI based Driver monitoring system (DMS) board upon imx8qxp running Linux kernel version 5.10.72.

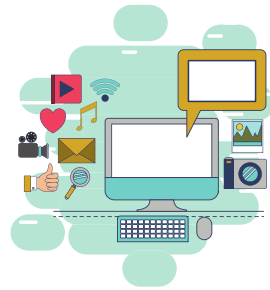


Key Project Deliveries



- **Avionics RTOS porting and Support**

Porting support of avionics safety critical RTOS for multiplatform with DO-178 certification



- **Multimedia Enhancement**

Provided solutions for unavailable features in GStreamer and Weston compositor (Wayland) Graphics stack



- **Wearable Smart Watch**

Firmware & Boot loader development for safety based battery optimized smart watch based upon STM32 MCU .

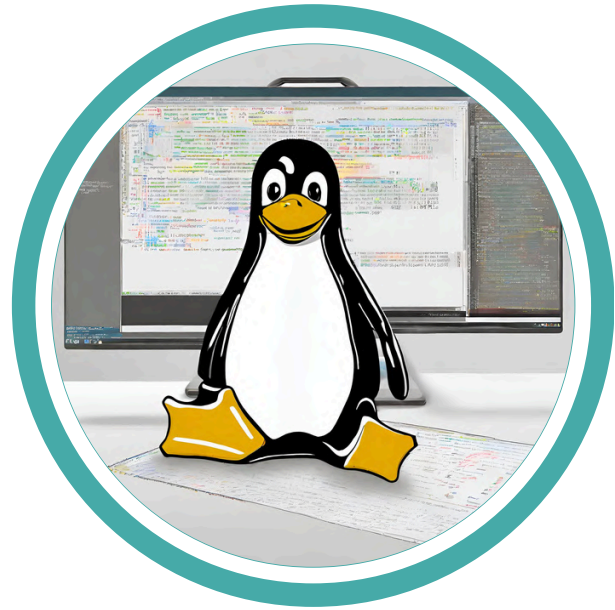
- **And many more....**



Our Open Source Contribution



u-boot's
contribution



Linux kernel
contributions



Zephyr OS



Android LinageOS



Google
Contribution AOSP



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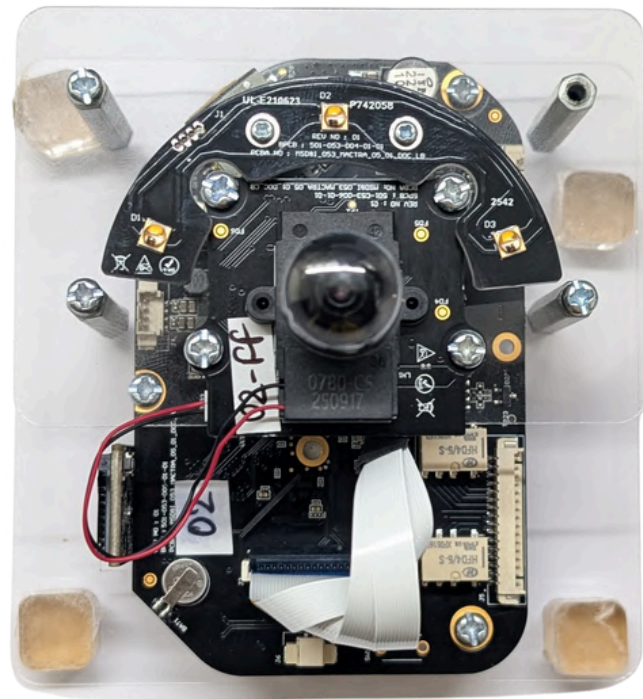
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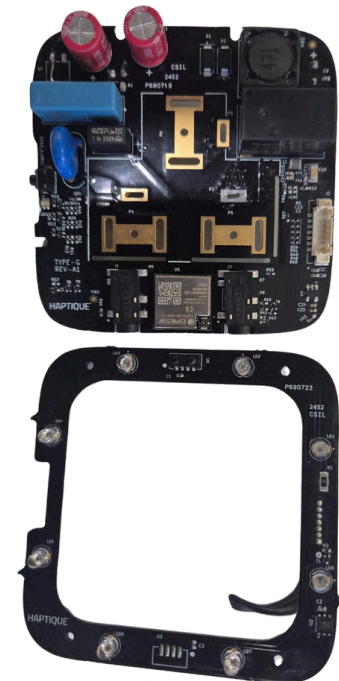
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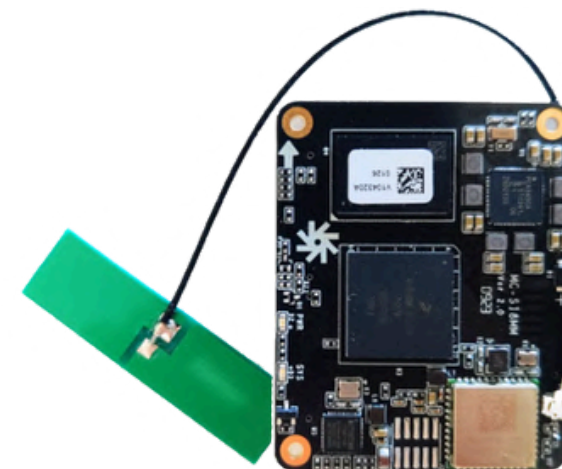
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Innofusion Based Camera
6 layered PCB



ESP32-based Smart Plug
2 layered PCB



NXP i.MX 8MM Camera Board
8 layered PCB



End to End Product Delivered to Customers



**MECHA: Portable Programmable
Handheld Linux Computer**



**Cantata: Android based
Universal Remote**



**Haptique (Cantata):
Smart IoT Plug**

Our Expert Team



Prashantsinh P

Android BSP Head



Rutvij T

Firmware , Linux Expert



Hardevsinh P

Linux BSP , Yocto Expert



Mitul T

Hardware Design Head



Himanshu B

Mutlimedia and
Upstream Expert



Ankit S

AOSP Expert



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Our Success Digest

Ratings from our customers on various platforms



Our Customers Reviews

**CEO of
Nimo Planet Inc.**



Silicon Signals' proficient Android BSP team has a proven record of core Android contributions. They adeptly managed our project, providing timely solutions and unwavering commitment, even post-financial clearance. Our ongoing collaboration is promising for future ventures, highlighting their trustworthiness and dedication as a reliable partner.

**V.P. of
Pathpartner Technology**



Silicon Signals stands out in the Linux BSP, Linux kernel, and Device Driver domains. Their ability to take full ownership of execution, coupled with their accessibility, sets them apart. Their accurate estimations provided us with confidence in project planning.

**Director of
Mecha Systems Inc.**



Silicon Signals offers top-notch hardware design expertise, unparalleled understanding of embedded systems, and cost-effective solutions. Their involvement in our solution team and ability to address challenges where others couldn't make them invaluable partners.

And many more....

Demos

Android
Automotive OS

01

Custom
GStreamer Plugin

02

Android 14
on Toradex NXP

03

Custom GPIO
Resource Manager

04



05

Firmware upgrade
on QNX

06

Zephyr Audio
Codec on STM

07

PDF viewer on
LVGL

08

Android 14 on
Toradex AM62



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Have an idea in mind?

It's the right time
to get in touch...

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Thank You!



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