MAKE IN INDIA

Rugged Board

भारत का पहला स्वदेशी सिंगल बोर्ड कंप्यूटर

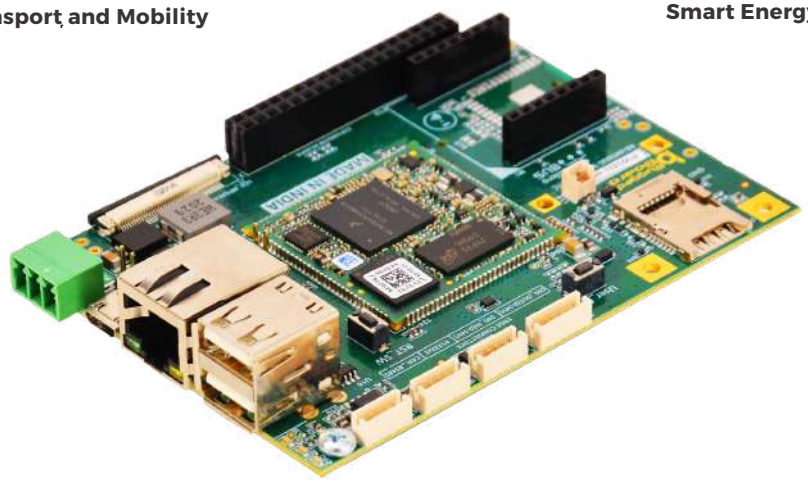
RuggedBOARD

Transport and Mobility

Defence

Smart Energy

Industri 4.0



Smart City

Smart Agriculture

Medical and Health

आत्मनिर्भर भारत के औद्योगिक विकास का सारथी :: **स्वदेशी सिंगल बोर्ड कंप्यूटर**

आत्मनिर्भर भारत

प्रौद्योगिकी भागीदार

PHYTEC *Embedded. Pvt. Ltd.*

#1688, 25th Cross, 27th Main, 2nd Sector, Opp. PEP School V2, HSR Layout, Bengaluru, Karnataka 560102, || Mob:+91-9741400123

Know more about RuggedBoard

community.ruggedboard.com

Product Specifications

Swadeshi Single Board Computer

- RS-232 — 2 x RS 232
- Ethernet — 1 x Ethernet
- RS-485 — 1 x RS485
- USB 2.0 — 2 x USB
- CAN — 1 x CAN
- mikroBUS — mikroBUS Conn.

CPU

ARM / RISCV
Processor@ 500-2000MHz
Cortex-A5/A7/../A72
RAM 64MB-4096MB RAM
Flash: 32MB-64GB

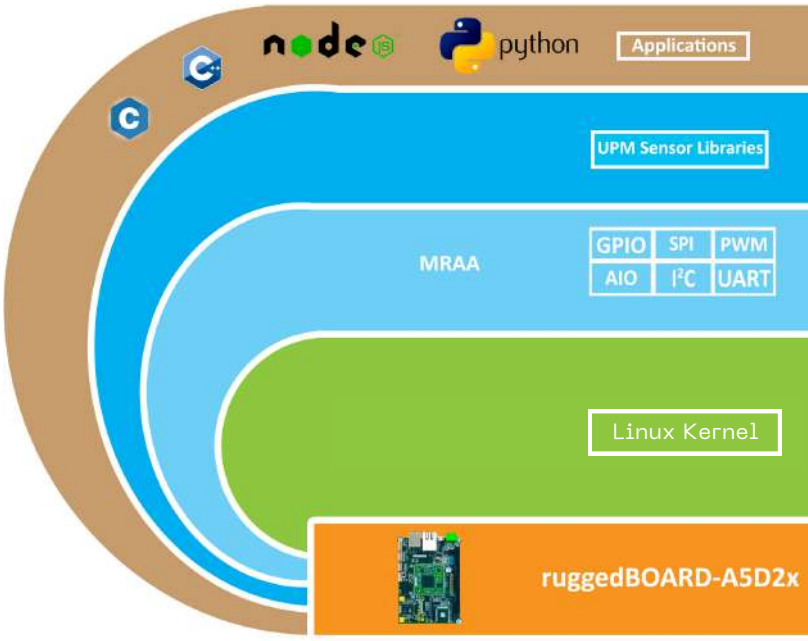
- DC & USB Power
- Expansion Header
- 1 x MicroSD Slot
- Micro Sim Slot
- mPCIe conn.
- TFT & Cap Touch

Communication Protocols

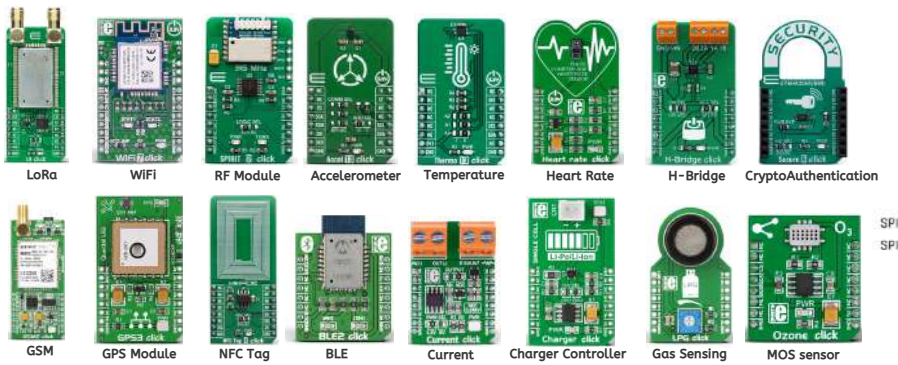
zigbee, WiFi, Bluetooth, Sub-1GHz, LoRa, Wirepas, Wi SUN, NB-IoT, 4G LTE, 5G

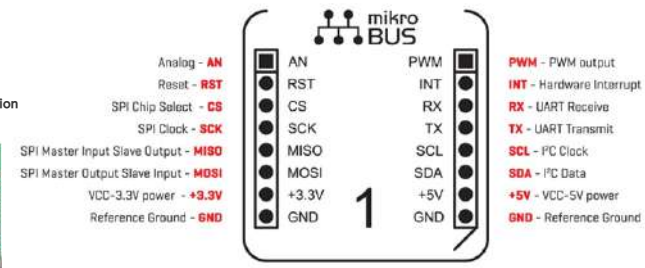
RuggedBOARD supports Python, c, c++ and enabled with industry standard MRAA & UPM IoT Stack which manages Sensors, Actuators, Radios & Protocols

Software Architecture



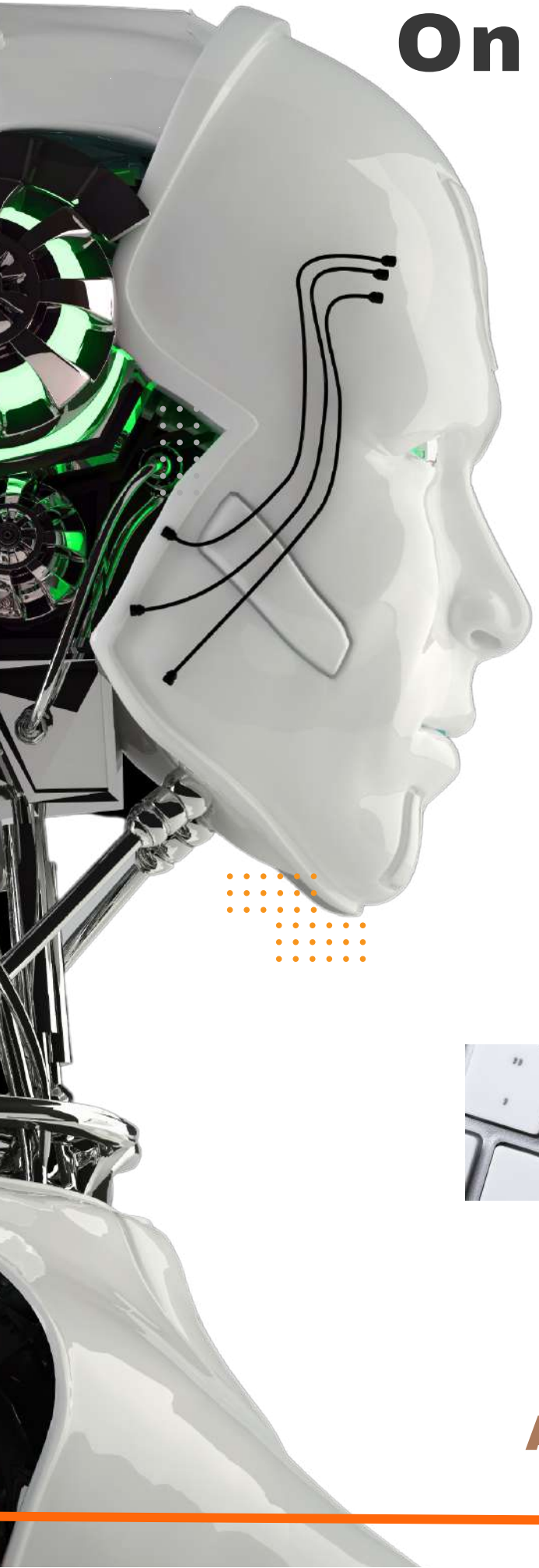
MicroBUS Add-On Sensor Boards





SKILL DEVELOPMENT INSTITUTE
BHUBANESWAR

Rugged Board



On JOB Training

Embedded Full-Stack IoT Analyst (ELE/Q1404)

National Occupational Standard

Training Certified by

ESSCI
Skilling India in Electronics

N·S·D·C
National Skill Development Corporation

सत्यमेव जयते
GOVERNMENT OF INDIA
MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP

SUPER 10000 EMBEDDED & IoT INTERNSHIP PROGRAM

in association with AICTE

All in One Program

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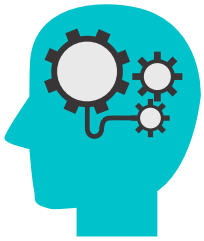
Rugged Board



Comprehensive Training Content from 20 Years of Industry Experience

Embedded C Programming

- Basic C Programming
- Advance C Programming
- Hardware Programming
- Interfacing Hardware Modules

eLinux Porting

- Building Embedded Linux from Scratch
- Toolchain
- Bootloader
- Kernel
- Root File System
- Device Tree
- Board File

ARM MCU Programming

- ARM Processor
- MCU Programming
- Device Interfacing
- Projects

Linux Device Drivers

- Kernel Module Programming
- Linux Driver Framework
- Character Drivers
- IOCTL Implementation
- Interrupts Handling
- I2C Driver
- SPI Driver
- Intro to Network & USB
- Intro Sound & PCIe Drivers

Linux Internals

- Shell Scripting
- Make Files
- Signals
- File System
- Memory Mgmt
- Process
- Threads
- IPC
- Socket

Yocto

- Yocto Architecture
- Recipes
- Meta Layers
- BSP Layers
- ADK

Get into CORE Domain Companies

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NXP
ST Microelectronics
Microchip
Renesas
Qualcomm
AMD Xilinx
Intel
NVIDIA
Synopsys
Cadence

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Schneider
Siemens
L&T
Titan Engineering
Rockwell
Mitsubishi
Omron
ABB
GE

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Continental
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Medha Servo
Advance Rail

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Team behind RuggedBOARD Community

Download Detailed Training Content

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