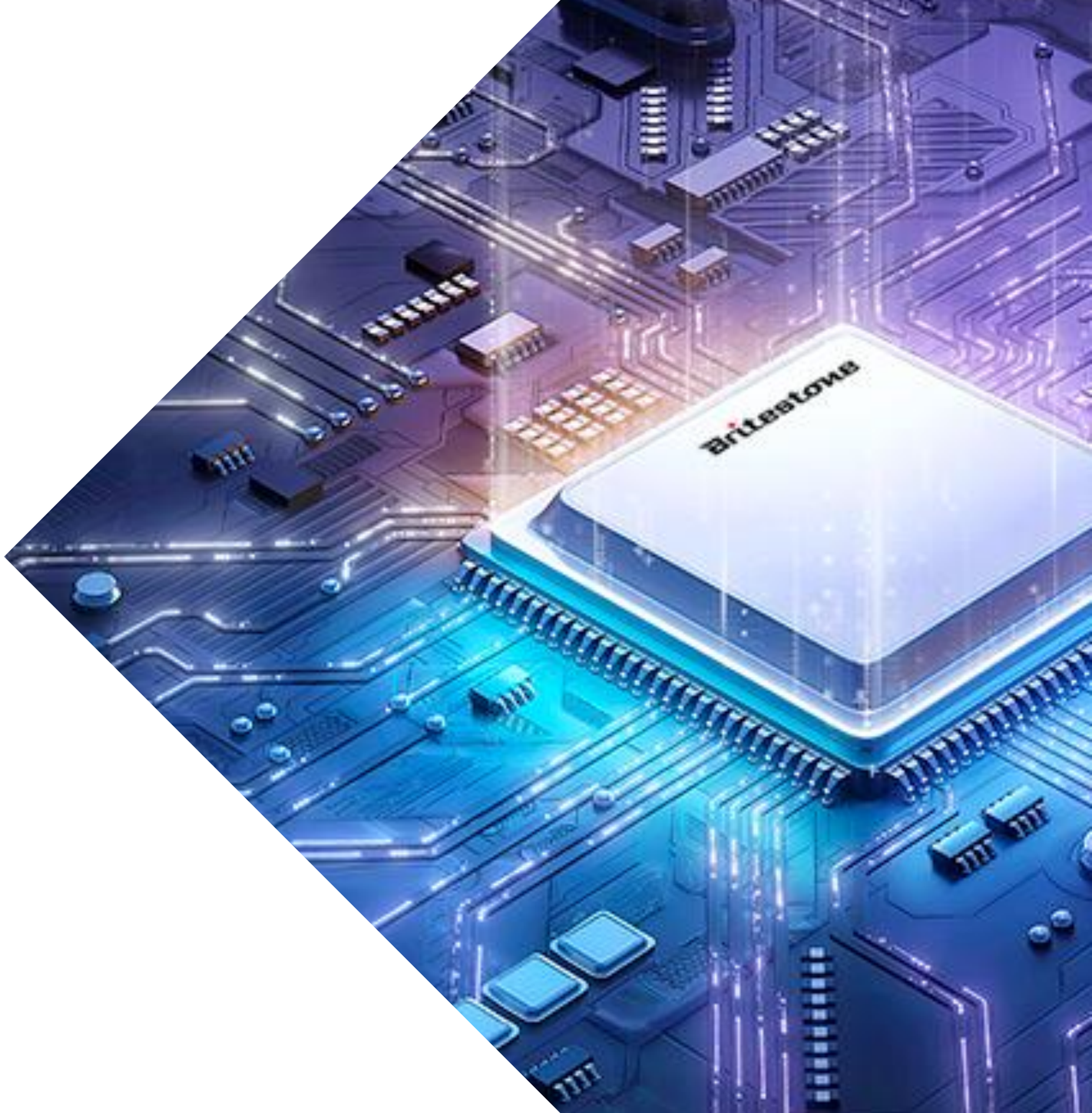
㈜ 브라이스톤 (前 석영전자)



회사 개요

설립일	1990년 12월 14일 법인 전환 (1963년 4월 1일 창립) Britestone 60년 History 동영상
근무 인원	44명
매출액	TBU
대표이사	호경근
본사 위치	서울특별시 강남구 선릉로111길 20, 단산석영빌딩
사업 분야	반도체(설계 및 F/W) 및 전기계측물, 소프트웨어 유통
자회사	BEX, 파라콤, 브라이스톤 해외법인(홍콩, 선전, 난징, 태국, 베트남), 파라콤 해외법인(인도, 태국, 베트남)
홈페이지	https://www.britestone.com

연혁

1963
석영전자 창립

1990
법인 사업으로 전환

1992
홍콩 법인 설립

1994
논현동 본사 사옥 완공

2001
석영전자에서 석영브라이스톤으로 사명 변경

2008
물류 자회사 iBEX 설립

2011
난징 법인 설립

2015
태국 법인 설립

2016
LG VMI 사업부 파라콤으로 분사

2017
Microchip 대리점 계약 체결

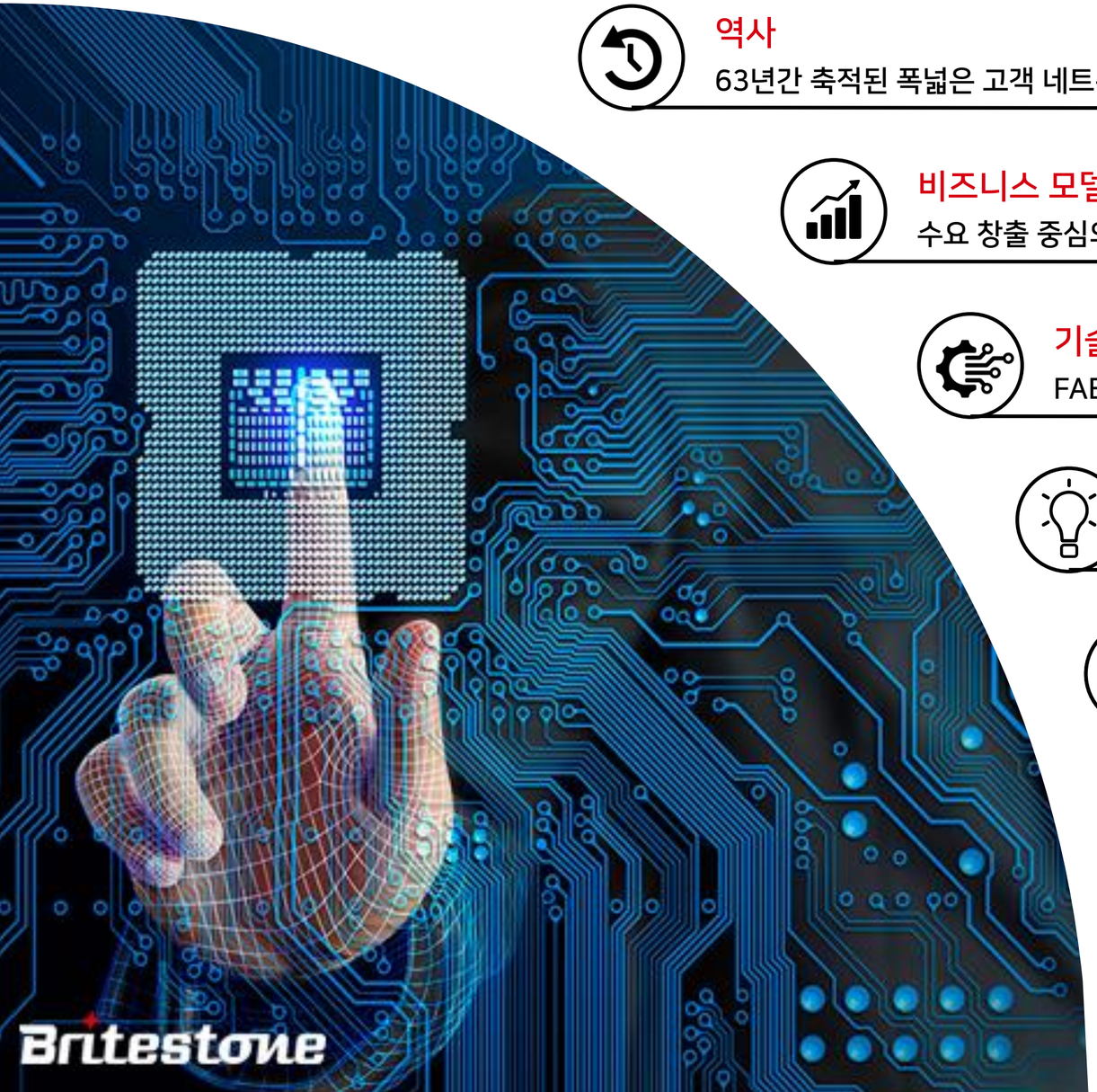
2022
석영브라이스톤에서 브라이스톤으로 사명 변경
iBEX에서 BEX로 사명 변경
베트남 법인 설립

2023
WindRiver 대리점 계약 체결

2024
파라콤 인도, 베트남 법인 설립

2025
DwyerOmega & EDAC 대리점 계약 체결
AS9120 인증 취득

핵심 역량



역사
63년간 축적된 폭넓은 고객 네트워크와 심도 있는 사업 경험

비즈니스 모델
수요 창출 중심의 비즈니스 모델, 고도화된 SCM 비즈니스 모델, 다양한 유통 채널 (온라인, VMI, Hub)

기술지원 노하우
FAE팀 운영으로 개별 어플리케이션에 특화된 풍부한 기술 지원 서비스 제공

제품 솔루션
MCU, MPU, IC 등 모든 반도체 제품과 전기계측물 및 소프트웨어 등의 맞춤 솔루션 제공

국내 자본
민첩한 의사 결정, 안정적인 자금 운용

물류 자회사
방산 항공 품질 기준 AS9120B 인증 물류 계열사 보유

글로벌 네트워크
중국, 인도 및 동남아 지역 네트워크를 통한 다양한 사업 모델 대응

국내 사무소



수요 창출 기반 영업





유통 채널 기반 영업



브라이스톤 본사

- 현장 방문 기술 지원
- 고객 맞춤형 솔루션 제공
- 최적의 회로 설계 컨설팅
- 세미나를 통한 최신 기술 공유
- 소프트웨어 비즈니스
- 대기업 HUB 서비스

주소

서울특별시 강남구 선릉로111길 20, 단산석영빌딩



브라이스톤 구로매장

- 전기계측물 재고 운영
- 해외 소싱
- Turn-key (턴키)
- 기술지원
- 범용 반도체 제품 재고 운영
- 방산 및 항공 분야 특화
- 온라인 몰 운영

주소

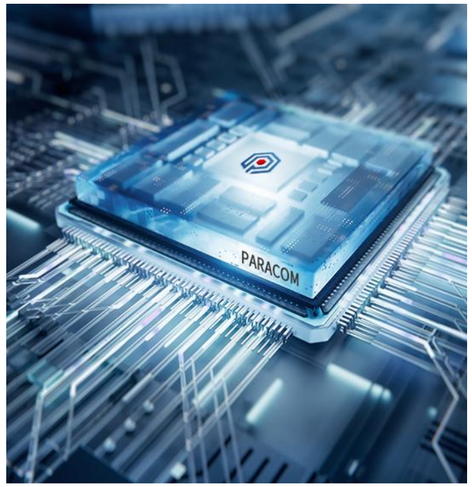
서울특별시 구로구 경인로53길 15, 중앙유통상가 다동 4204호

그룹 계열사

Britestone

Britestone

Paracom



- 브라이스톤에서 분사
- 경상남도 창원 본사
- VMI 공급
- 배송 서비스
- 수입 검사
- 해외 법인 보유

주요 고객사

LG Electronics

BEX

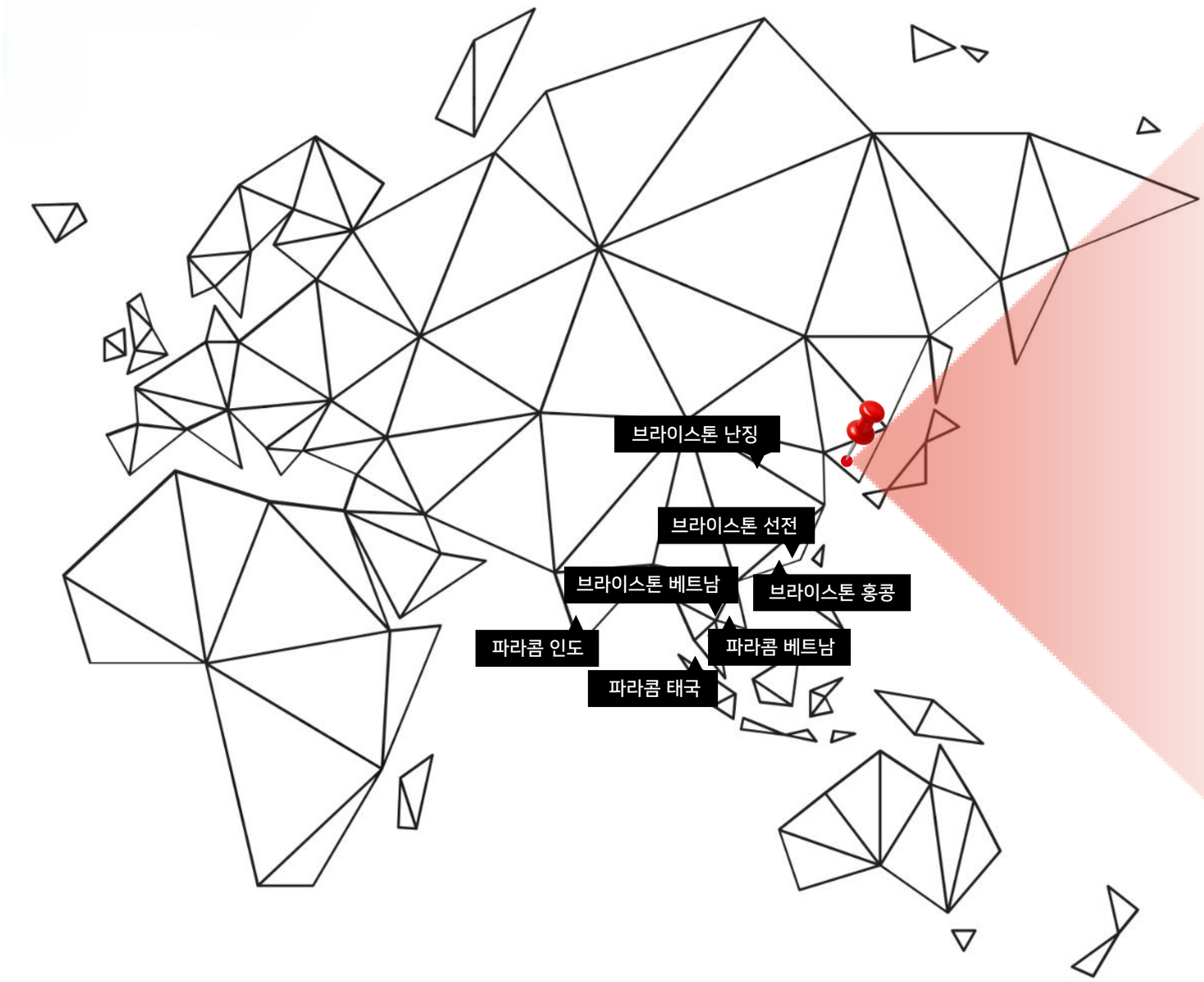


- 인천 물류센터
- 3P 물류 서비스
- 수출입 통관
- 배송 서비스
- 7000CBM 규모

창고 대여

NIPPON EXPRESS AVNET

해외 법인 운영 (범아시아 네트워크)



브라이스톤 본사



BEX 인천공항



파라콤 본사



조직도

Britestone CEO

호경근 대표이사

Britestone MSD

- 중대형 제조사 대상 필드 영업
- 소프트웨어 영업
- MCU 기반 솔루션 제공
- 대기업에 HUB 서비스 제공

Britestone MMD

- 중형 제조사 대상 필드 영업
- 소형 제조사 턴키 영업
- 유통사 및 온라인 영업
- 방산 및 항공 분야 특화

- MSD : Multi-Solution Division
- MMD : Multi-Market Division
- SPD : Strategic Purchasing Division
- TMD: Technical Marketing Division
- ASD: Admin & Support Division
- ITD : IT Division

지원 부서

Britestone TMD

- 반도체 어플리케이션 기술지원
- 펌웨어 개발 및 지원
- 불량분석 지원
- 기술 마케팅

Britestone SPD

- 대리점 계약 정규 라인 구매
- 비정규 라인 긴급 소싱
- 재고관리
- 해외 소싱

Britestone ASD

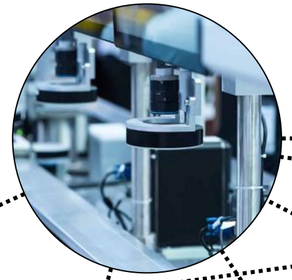
- 경영지원
- 재무회계
- 인사관리
- 자회사 통합 관리

Britestone ITD

- IT 관련 지원
- ERP 개발 및 유지보수
- 온라인 몰 개발 및 운영
- IT 보안 관리

비즈니스 모델 및 서비스

전기계측물 제품 재고 판매



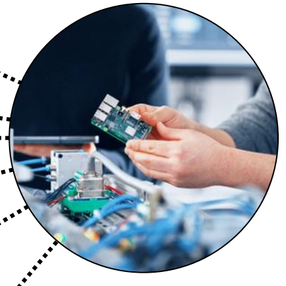
공식 유통 채널 외 공급처를 활용한 유연한 제품 소싱



온라인 몰



MCU 기반 턴키 솔루션







방산 및 항공 유통 품질 규격 준수



CICD 플랫폼& DT 시뮬레이션 장비



콘솔 판매 & Hub 서비스

주요 라인 카드

Britestone

MICROCHIP	MCU(8, 16, 32bit), BLE Chip, OP Amp, Charger IC, LDO, Timing, Security, USB, Ethernet, FPGA, Motor Driver etc.
MinebeaMitsumi Passion to Create Value through Difference	Camera VCM module, Battery protection IC, IoT Sensor, Coil, Reset IC, LDO, Customized Mechatronics products, MEMS
Honeywell	Temp, Humidity, Pressure, Current, Gas, Dust, Hall etc. Sensor products, IntelligentIoT sensor
VISHAY	FET, Diodes, Opto, Shunt resistor, Inductor, Capacitor etc. Passive products
SanRex	SiC FET Module, Fast recovery Diode Module, 3-Phase Diode Bridge
SHARP	Image sensor, RF sensor, Opto Electronics, Laser diode, TFT LCD Module
otax	Dip switch (Slide, Piano, Rotary, SIP), Control switch
HRS	I/O connector, PCB connector, Card Connector, Fiber optics
TOCOS Tokyo Cosmos Electric Co., Ltd.	Potentiometer products, Panel control, encoder
DWYEROMEGA	Electrical Instruments, Flow/Pressure/Temp./Level sensor module

주요 라인 카드

Britestone

WNDRVR	Edge S/W Solutions with VxWorks RTOS, WR Linux, Helix for Virtualization Platform Digital Twin with Simics and WR Studio for IDE
EDAC	Connectors, Cable assembly, Customized connectors
Etron 鈺創科技 Etron Technology, Inc.	SDR SDRAM, DDR1/2/3/4 SDRAMs, LPDDR SDRAM e.MMC, SI NAND Flash, Known-good Die Automotive DRAM
PHISON	SSD, e.MMC
Rayson	DDR SDRAM, LPDDR SDRAM, DRAM Memory Module
TAEJIN Technology Co., Ltd. Let us regulate it!	Regulators, Voltage reference, Logic, LED Driver IC
Sakae	1 Turn/Multi Turn Potentiometer, Linear Motion Pot
Amphenol	Connectors, Cable Assemblies, Sensors

주력 사업 및 솔루션



자동차 전장

- Microchip: Touch MCU, Analog IC, Ethernet 10 BaseT1s
- Vishay: FET, Diode, Resistor, Safety Cap.
- MinebeaMitsumi: Inductor, Connector, Actuator,
- WindRiver: CICD Platform, Virtual Simulation Tool
- Honeywell: Current sensor
- Etron: DRAMs, LPDDRRAM, eMMC



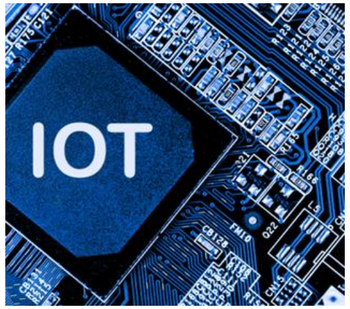
장비 & 설비

- Microchip: MCU, Analog IC, Connectivity
- DwyerOmega: RTD, Pressure/Flow sensors
- Honeywell: GAS sensor, Switch, Current Sensor
- Vishay: FET, Diode, Resistor, Safety Cap.
- EDAC & Hirose: Connectors
- MinebeaMitsumi: IGBT wafer, Motors, Sensors



가전제품

- Microchip: Touch MCU, MCU, EEPROM, IoT
- MinebeaMitsumi: Reset IC, LDO, MEMS Mic.
- Honeywell: GAS Sensors, Hall sensor
- Vishay: FET, Diode, Resistor
- EDAC & Hirose: Connectors
- Etron: DRAMs, LPDDRRAM, eMMC



네트워크

- Etron: DRAMs, LPDDRRAM, eMMC
- Rayson:LPDDR5
- EDAC: Connectors
- Microchip: MPU, MCU, Analog IC, Connectivity
- Vishay:FET, Diode, Resistor
- MinebeaMitsumi: Reset IC, LDO, Connectors



의료기기

- Microchip: MCU, Connectivity, Analog ICs
- Honeywell: GAS Sensors, Pressure Sensor
- Vishay: FET, Diode, Resistor
- EDAC: Connectors
- DwyerOmega: Pressure/Flow sensors
- Preci-Dip: Connectors



방산 & 항공

- Honeywell & Sakae: Switches, Current & Gyro sensor, Potentiometer
- FCI: Flow/Pressure/Level sensor
- Vishay: FET, Relay, Diode
- Microchip: FPGA, Relay, MCU, Analog IC
- WindRiver: RTOS, Virtual Simulation Tool
- Amphenol & TE: Connectors, Cable assemblies

주요 고객사

Britestone

자동차 전장

LS Automotive
Nidec – All for dreams
SL Corporation
HYUNDAI KEFICO
DENSO Crafting the Core
YURA
kyungshin
WELDEX CORPORATION
SENSORTEC
MOBASE
MOTREX
KB AutoTech
SAMBO MOTORS
LG Innotek

가전제품

SAMSUNG ELECTRONICS
dgtG
대영전자
CHEMTRONICS
NEXCON Technology
SJI Connecting Tomorrow
DREAMTECH
YOUNGREEM
LG Electronics
경동나비엔
Kiturami 귀뚜라미
(주)티아이티이엔지 TECHNOLOGY IN TECHNOLOGY
Rinnai

장비 & 설비

Autonics Sensors & Controllers
FASTECH Fast, Accurate, Smooth Motion
LS ELECTRIC
SEETRON Inc.
DAWON POWERTRON
EST
EcoSemitek
GASTRON
CM PARTNER
ITM QUALITY & SOLUTION
SAMSUNG
SAMSUNG HEAVY INDUSTRIES
AP TECH
partron
TechWing

네트워크

MERCURY CORPORATION
HUMAX NETWORKS
MARUSYS
CS corporation
ubiQuoss
nis (주)네오정보시스템 NEO information systems co., ltd.
ALOYS
SEANET MARINEPLANET
NEXGENWAVE

의료기기

MEDIANA
InBody
Accentechnik
MEDIT
vatech
Huvitz
(주)휴보닉 FUTURE BONE ELECTRONICS
미래 메디엔텍 (주) MIRAE Medi&Tech Co., Ltd.
OSSTEM IMPLANT
GAPO refresh your life

방산 & 항공

HYUNDAI Rotem
Hanwha Systems
Hanwha Aerospace
FOOSUNG FIRSTEC
YOUNG POONG ELECTRONICS
YEONHAB
DANAM SYSTEMS
국방과학연구소 Agency for Defense Development
DS Navcours
stx Engine
Huneed Technologies
KAI
VICTEK

제품 별 솔루션

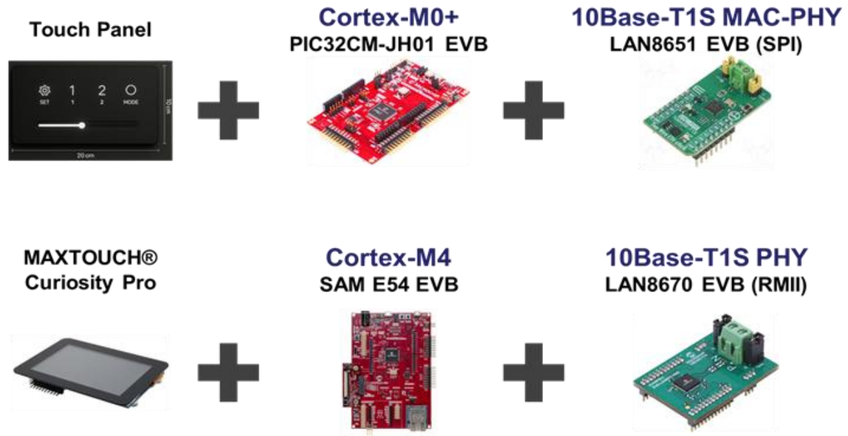
Ethernet 10Base-T1S Demo

- Real-time linkage between 10Base-T1S based touch panel and MGS(Microchip Graphics Solution) display
- 10Base-T1S based ISELED Lighting Sequencing
- Reproduce real-time simultaneous control situations between multi-end devices
- Implementing LAN8670 (PHY) and LAN8651 (MAC-PHY) in one network

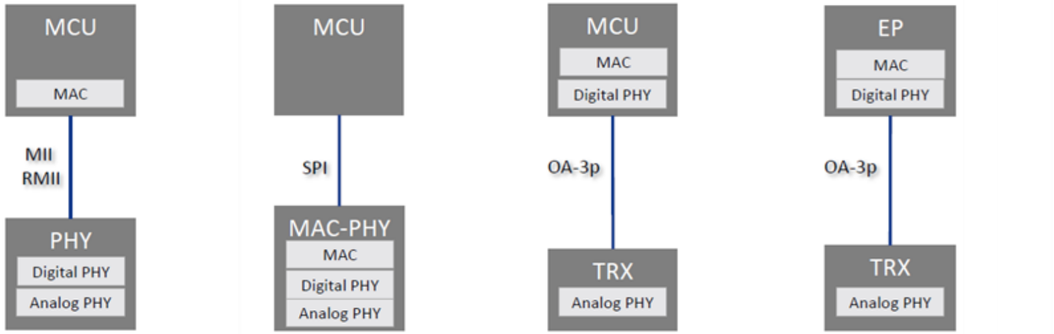
MGS

ISELED®

HW configuration



Ethernet 10Base-T1S System



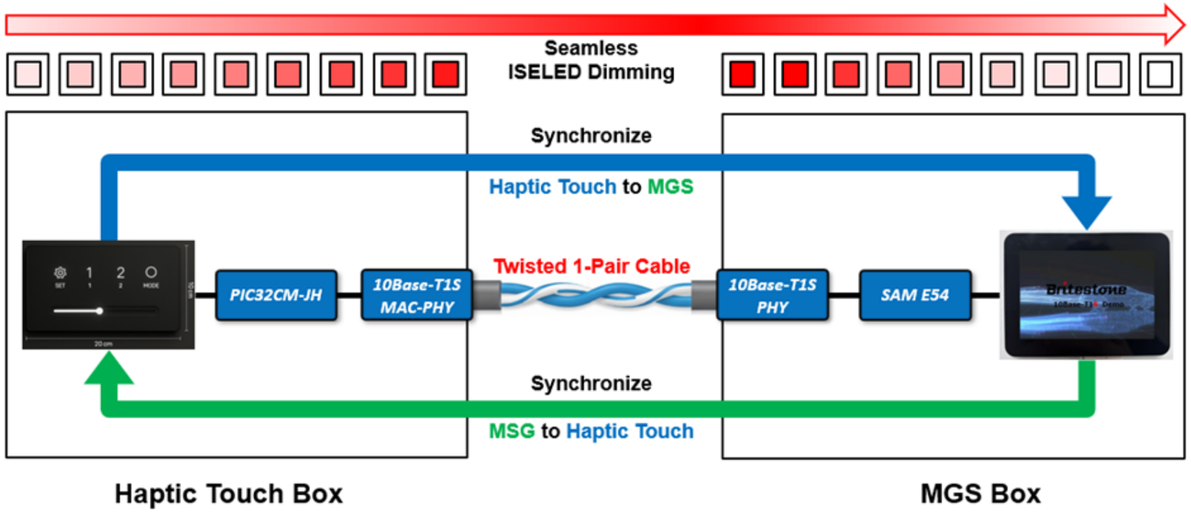
- 12/18 pins
- Classic Ethernet
- Supporting MCUs, Switches

- 5 pins
- Works with almost all MCUs

- 3 pins
- Smallest cost

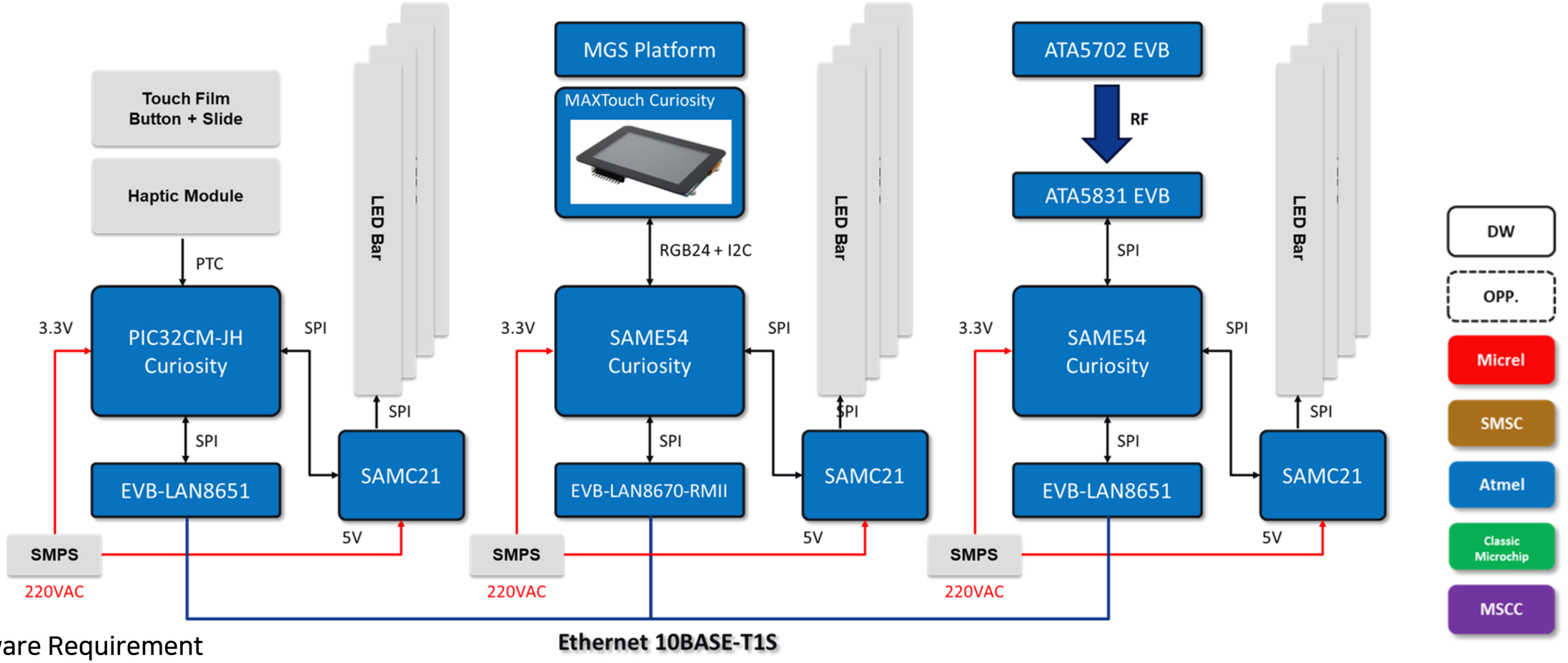
- 3 pins
- Smallest cost
- Smallest form factor
- No SW development

Demo Scenario



제품 별 솔루션

Ethernet T1S & Ambient Lighting Block Diagram



Software Requirement

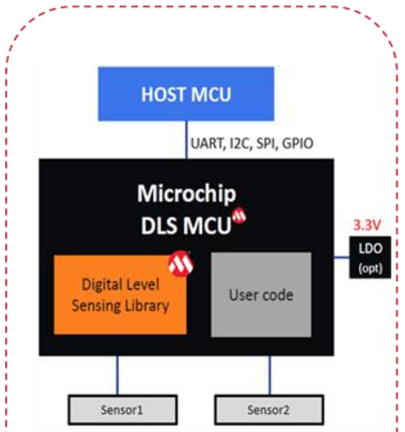
- MGS Composer, PTC, ISELED Library, LwIP Stack on LAN8670-RMII
- 1D Touch and Haptic Motor Control

제품 별 솔루션

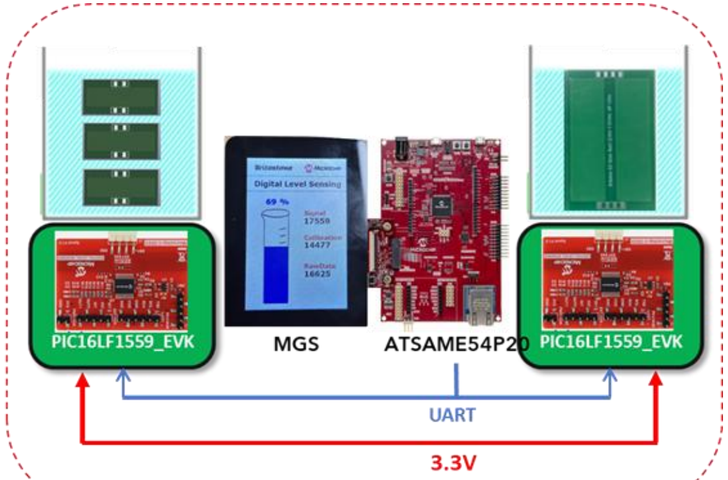
Digital Level Sensor Solution

- Level measurement solution combining Dual-ADC and CVD methods
- 2- Not only level measurement but also high resolution level measurement
- Operates without initial calibration upon power-on
- No effect on GND, good SNR
- MCU solution based on MCHP Library
- Supports GPIO, I2C, UART, SPI, etc.
- Supported Device : Operating voltage : 3.3V
  - PIC16LF1554-I/STM10,MLM10 : 1 Sensor, 14 TSSOP, 16 QFN
  - PIC16LF1559-I/SSM10, MLM10 : 2 Sensor, 20 SSOP, 16 QFN

System Block Diagram

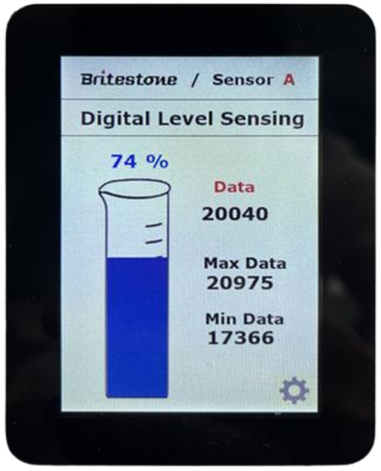


< DLS Diagram >



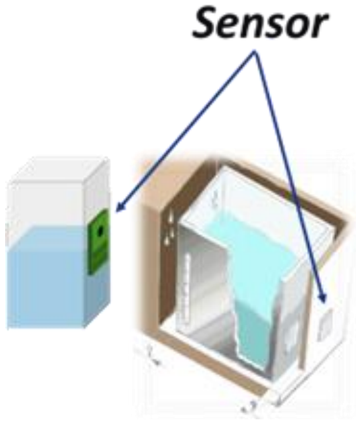
< Demo Box Diagram >

Demo Display



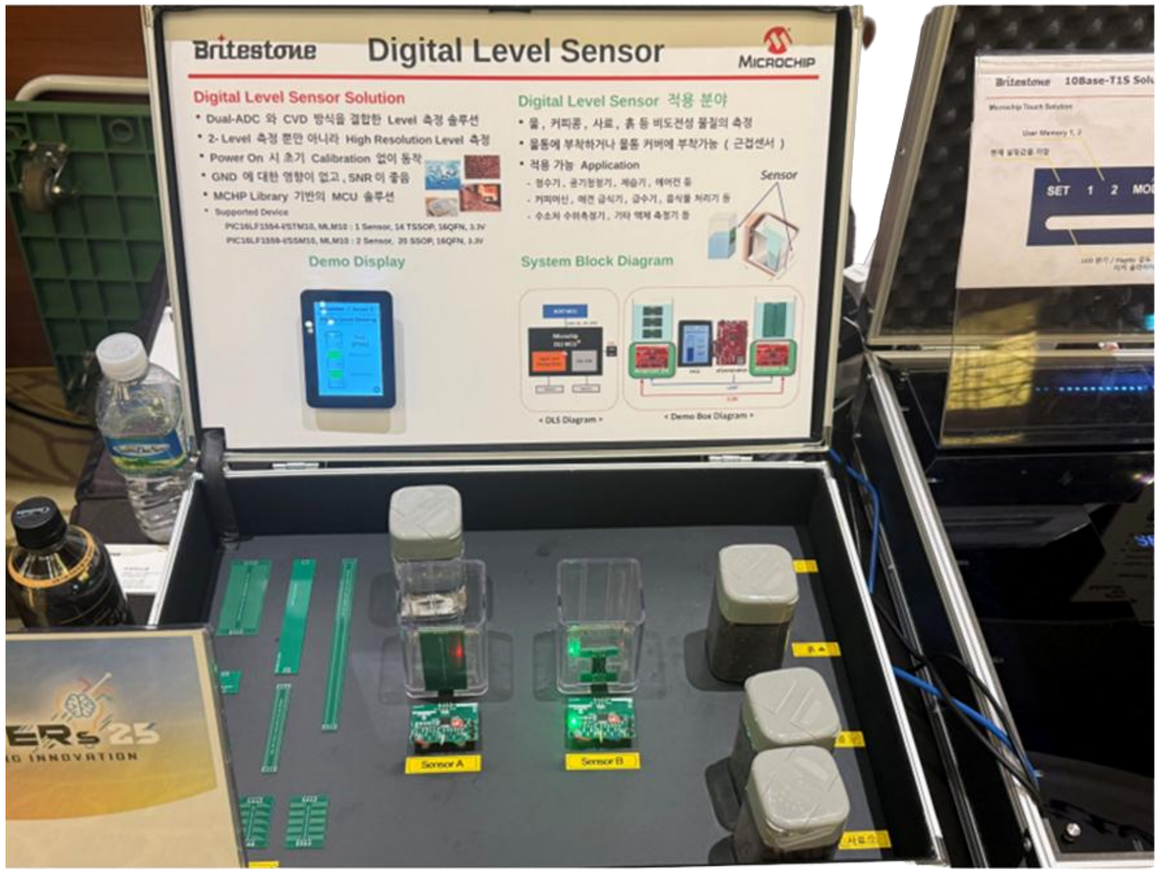
Digital Level Sensor Application Areas

- Measurement of non-conductive substances such as water, coffee beans, feed, and soil
- Can be attached to a water bottle or a water bottle cover (proximity sensor)
- Applicable Application
  - Water purifiers, air purifiers, dehumidifiers, air conditioners, etc.
  - Coffee machines, dog feeders, waterers, food waste disposers, etc.
  - Hydrogen car level gauge, other liquid gauges, etc.



제품 별 솔루션

Digital Level Sensor

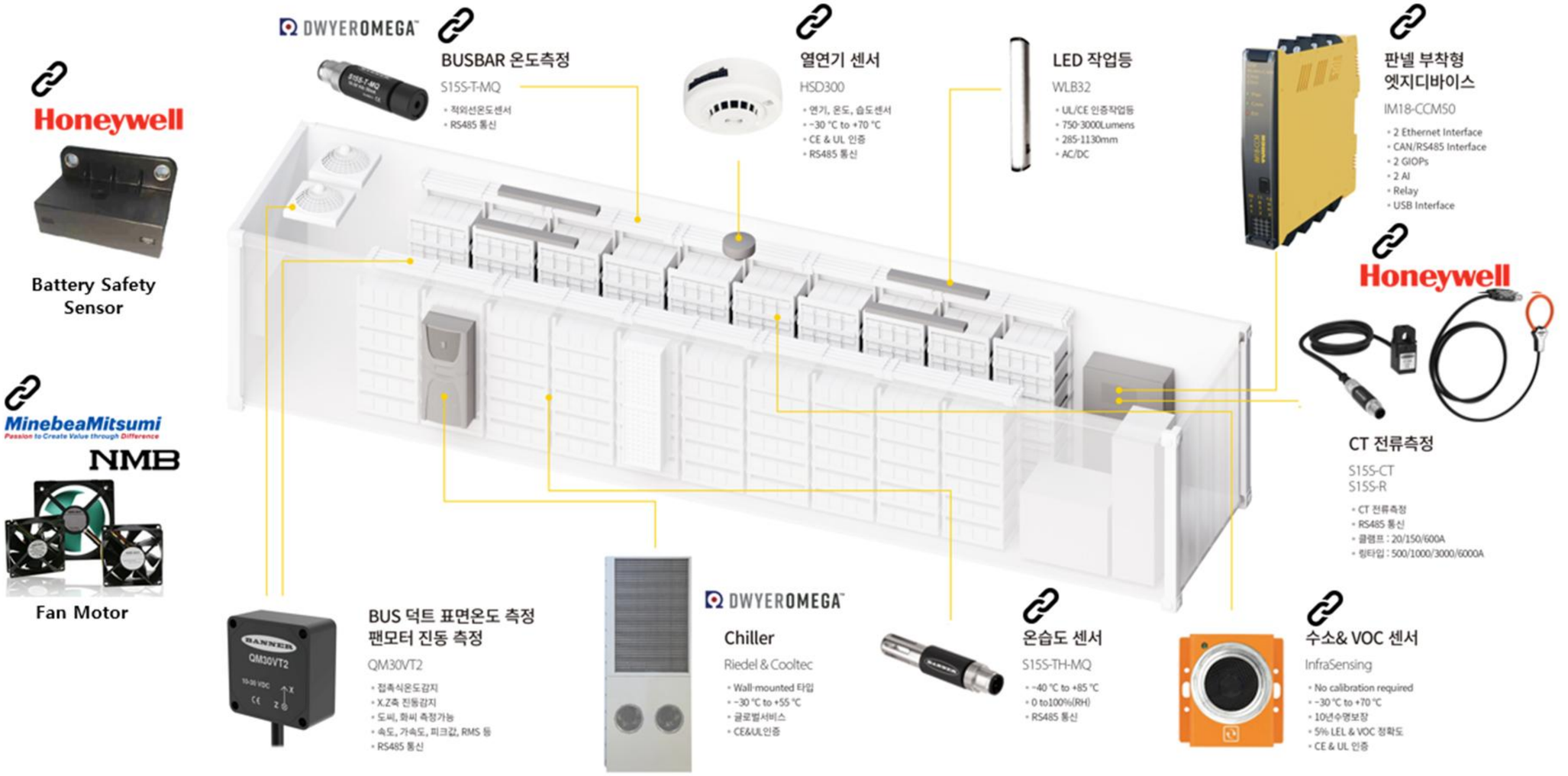


10Base-T1S Solution



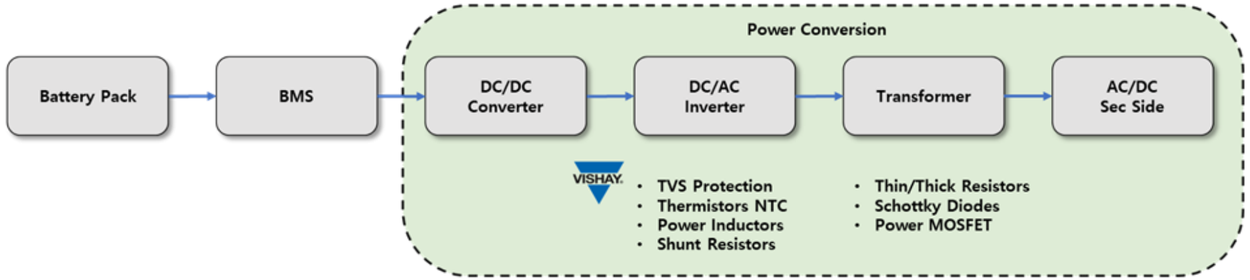
제품 별 솔루션

ESS Solution

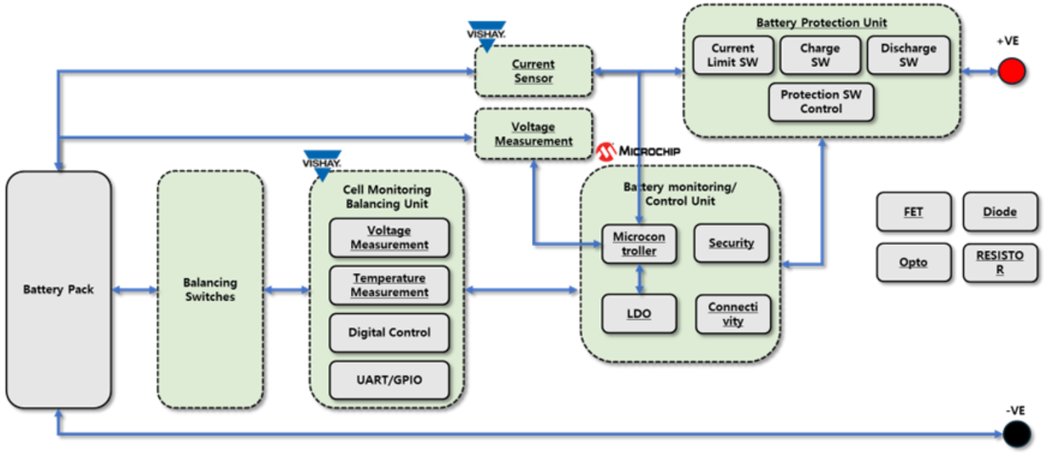


제품 별 솔루션

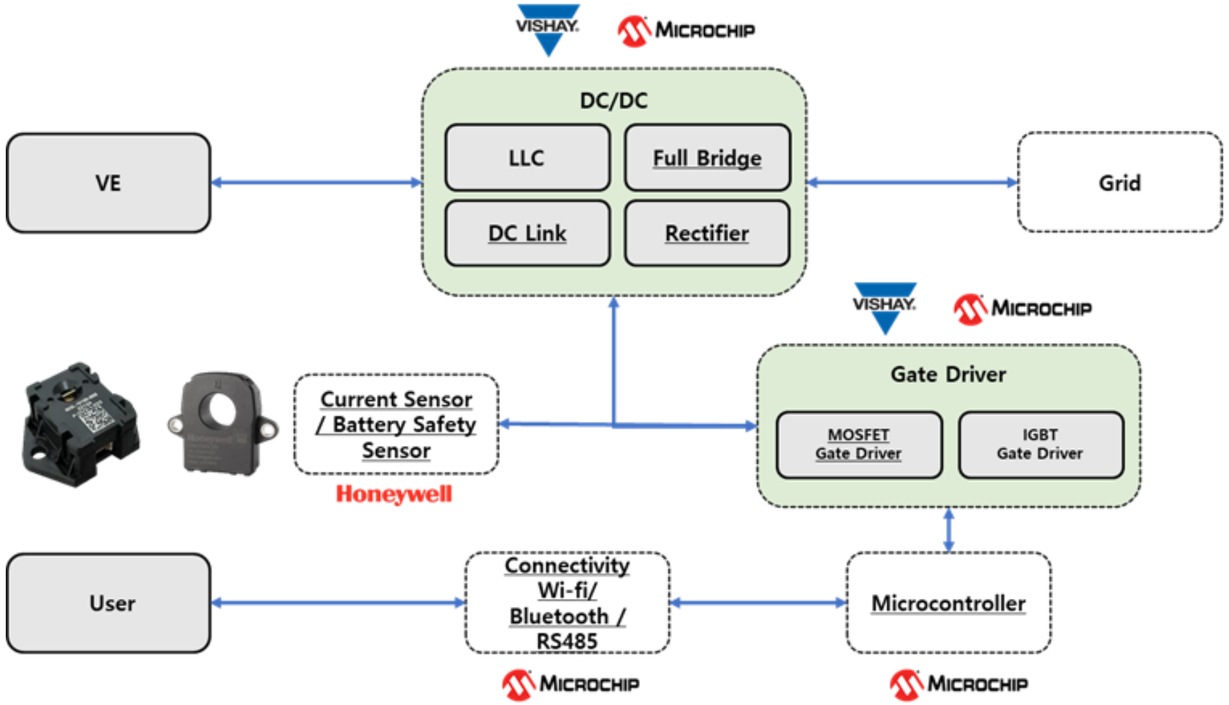
ESS Block



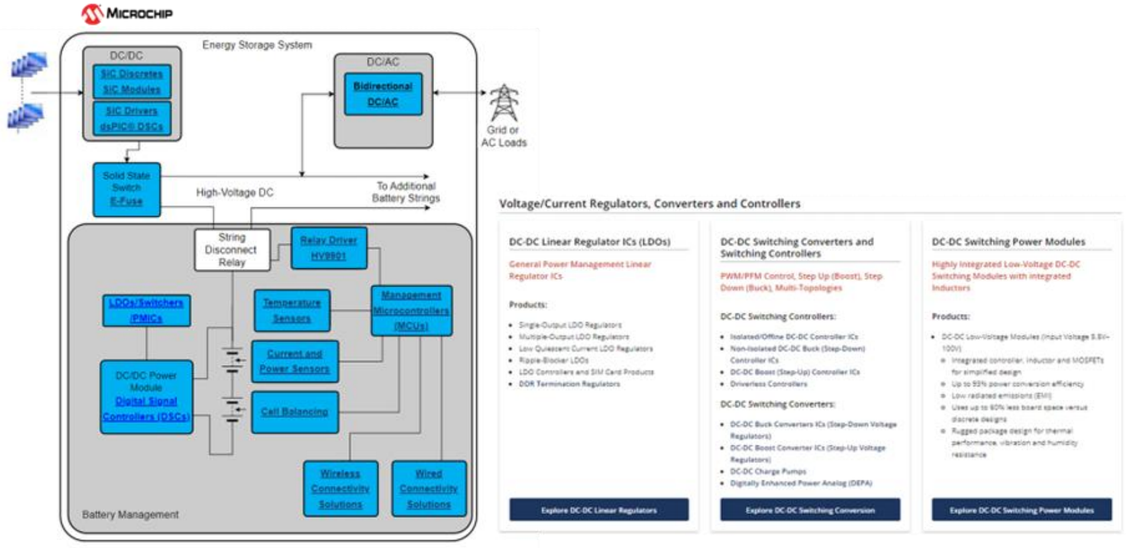
ESS Block (BMS)



ESS Block (Convertor & Invertor)

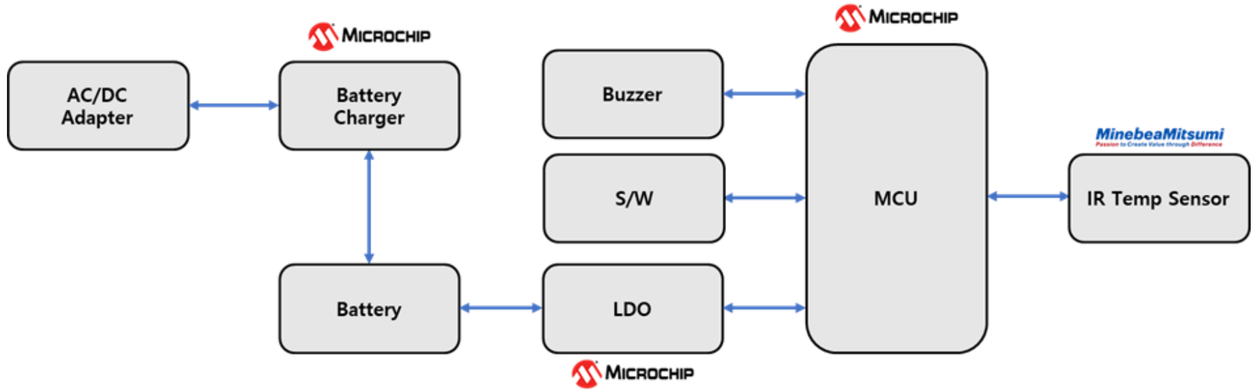


ESS Block (PCS)

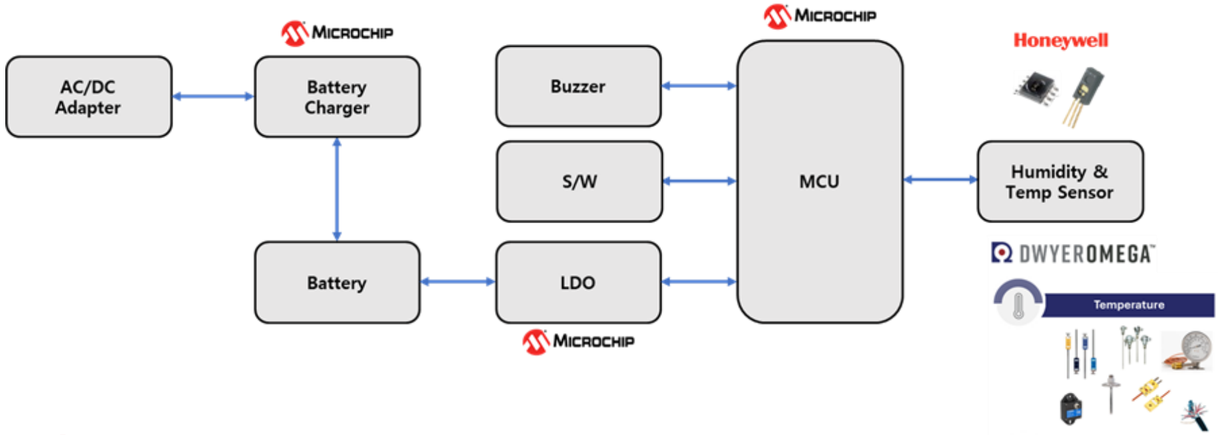


제품 별 솔루션

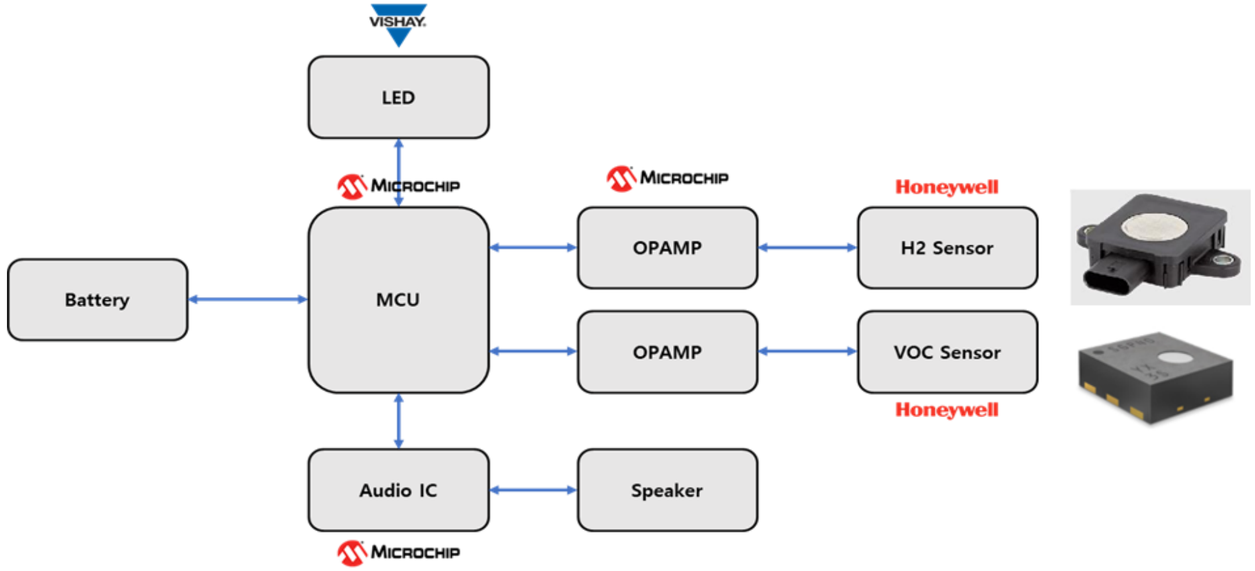
IR Temp Sensor



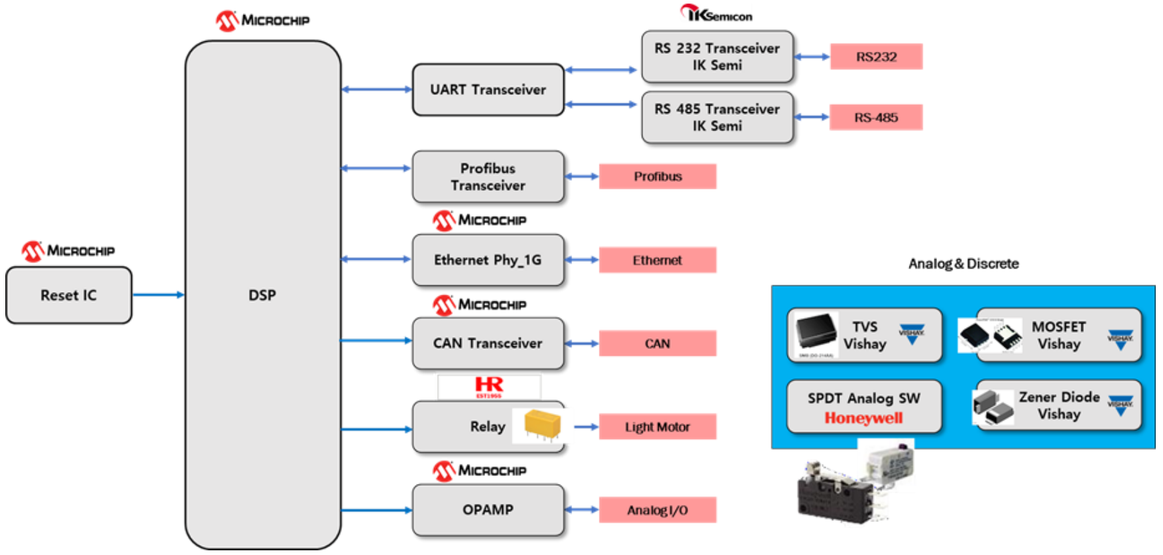
Humidity & Temp Sensor



VOC & H2 Sensor

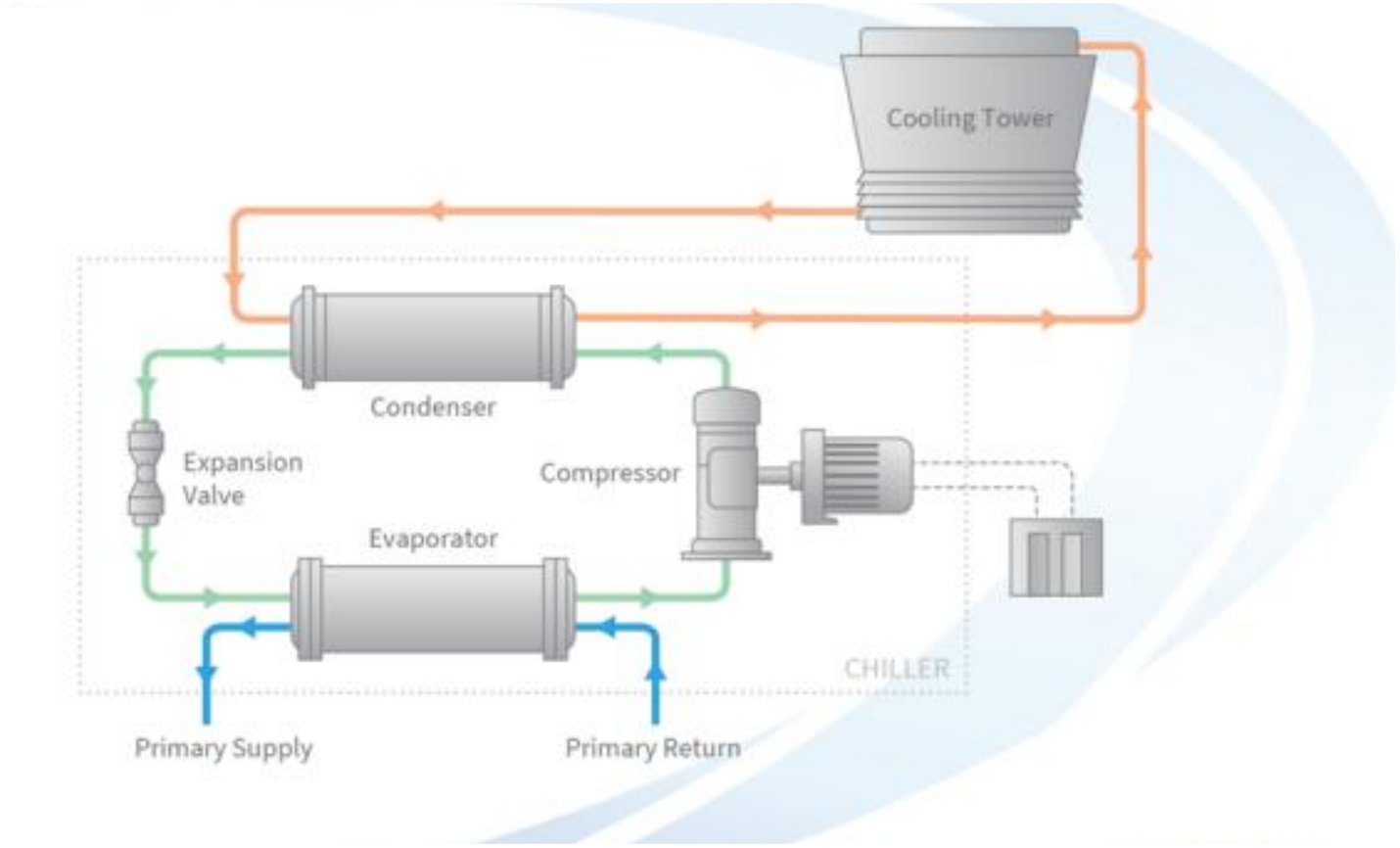


Edge Device

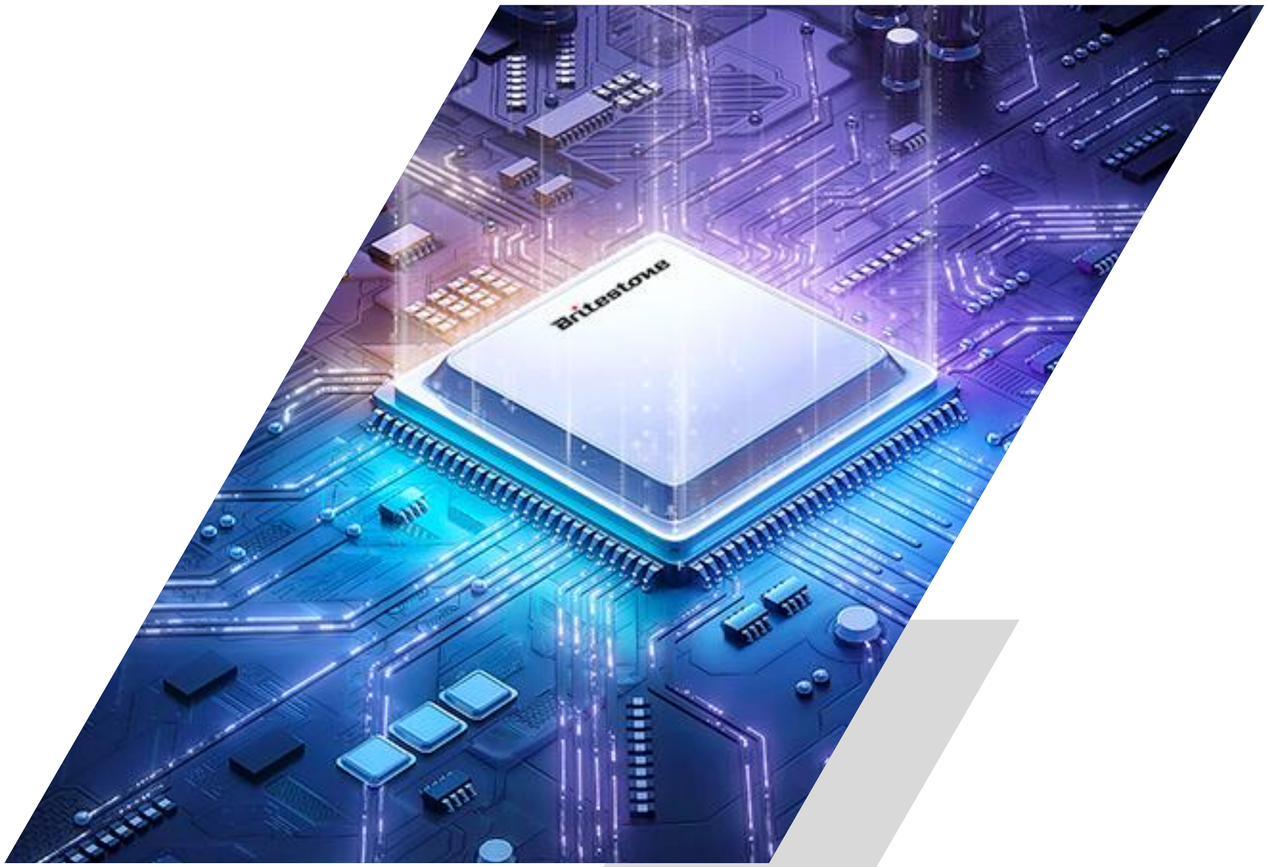


제품 별 솔루션

Chiller & Humidity & Temp Sensor







부록

자체 개발 솔루션 소개

주요 자체 개발 솔루션

Electric Oven

- Microchip Touch Solution
- Mutual : Capacitance Touch, 20 key
- FILM PATTEN TYPE
- Duplicate key protection Algorithm
- Frequency Hopping for Noise protection





Microwave

- Microchip Touch Solution
- Self– Capacitance Touch, 10 key
- Mesh PCB PTTON TYPE
- Max on duration Algorithm
- Spread spectrum forNoise protection





Induction

- Microchip Touch Solution
- Self CAP + Wheel : Capacitance Touch, 27 key + 5 wheel
- Knob Control System
- PCB TATTEN TYPE
- Median Filter applied Noise protection
- Low Power Solution applied





Robot Vacuum Cleaner

- Microchip Touch Solution
- Self CAP Touch 1D(3Key)
- Noise threshold Algorithm
- Supported Object type file system
- LED Control Algorithm





주요 자체 개발 솔루션

Washer

- Microchip Touch Solution
- Self CAP Touch 1D(11Key)
- PCB Patten Type
- Median Filter applied
- Water Proof Algorithm

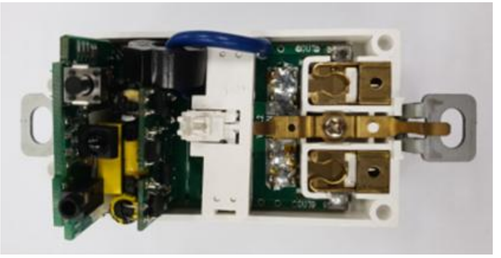




Induction

- Wireless Communication for IoT(Bluetooth, Wi-Fi) Solution
- Standby Power Metering/Cut Solution
- Compliant with IEC62052-11, IEC62053-22/23, ANSI C12.1, C12.20.
- High Resolution, Multi Channel





Finger Print Scanner for Car

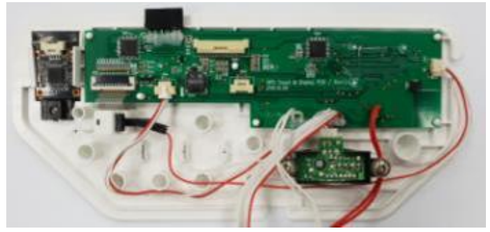
- High performance MCU(32bit ARM Cortex7) solution for automotive.
- Low power circuit configuration
- Bootloader support using LIN communication.
- Security Solution (AES132)





Electronic Safe

- Wireless Communication for IoT(Bluetooth, Wi-Fi) Solution
- Security Solution (SHA204)
- Self CAP Touch 1D(5Key)
- BLDC Motor Control Solution





주요 자체 개발 솔루션

Heating Tabaco / E-Cigarette

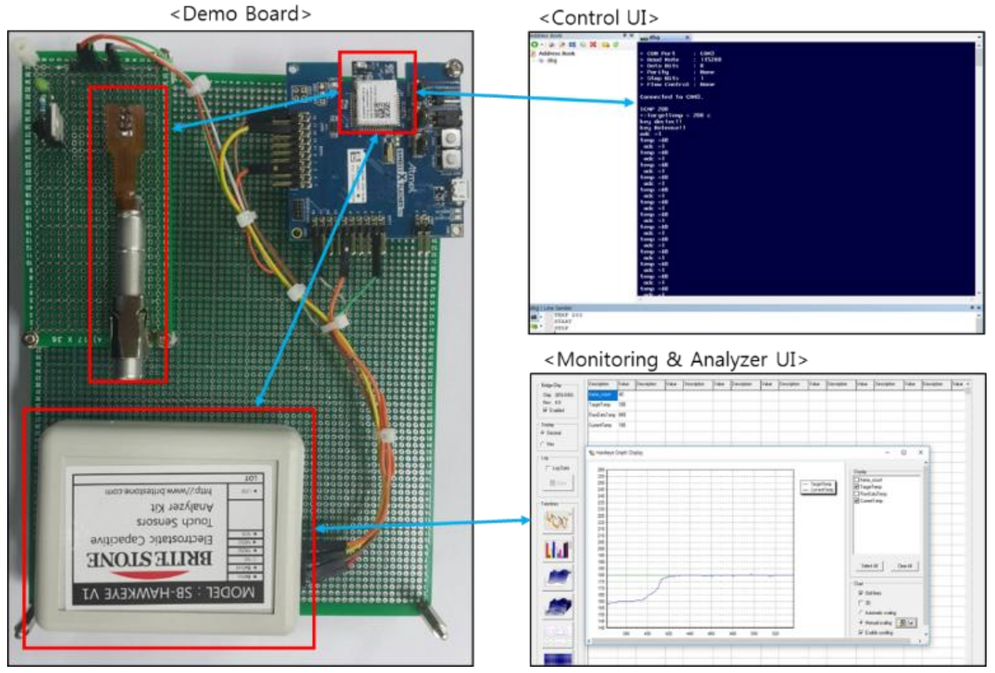
1. Software
   - Function Driver
   - Algorism (PID Algorism)
   - Application Template Design



2. Hardware
   - Device Recommend
   - Design Guide
   - Design Review



3. Tool
   - Downloader Tool(ATMEL ICE)
   - Analyzer Device(SB-HAWKEYE)
   - Analyzer PC Tool(PC-Hawkeye)
   - Control & Analyzer Tool(SB-PC Tool)



MCU Development Tool_HAWKEYE

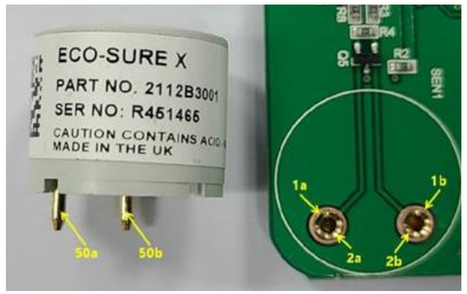
- Data Analyzer Tool
- Powerful touch monitoring kit
- Easy source code portability
- Real time Monitoring
- SPI or I2C data can be analyzed on PC.



주요 자체 개발 솔루션

CO Detector

- Honeywell CO Sensor : 4-500 ppm CO detect
- Microchip MCU, OPAMP
- 8bit MCU, eXtreme Low Power (XLP), 9ch 10-bit ADC input
- Sensor Socket less solution





- CO Type

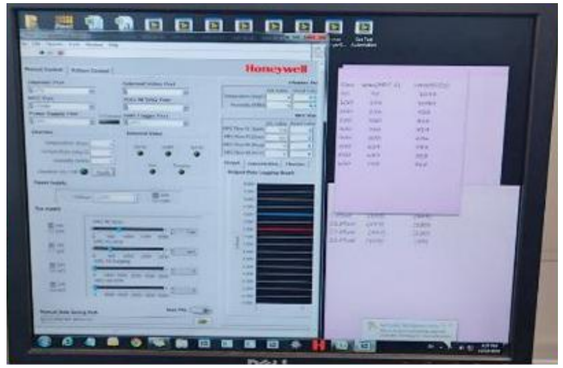


[Adaptor Type]



[Battery Type]

- CO PPM Test Enviroment









주요 자체 개발 솔루션

IOT+Sensor Solution

- Honeywell Sensors(CO, Dust, Pressure) & Microchip Wireless(BLE, WiFi, LoRa)
- Customer promotion solution







BLE

Power Charge



Li-Po battery

PIC32CX-BZ2 and WBZ451 Curiosity Board
(EV96B94A)





OLED(128x64 SSD1309)

Analog

UART

I2C

I2C

Honeywell Sensor Board



CO Sensor
(Part# : ECO-SURE X)

Honeywell Sensor Board



Dust Sensor
(Part# : HPMA115C0-004)

Honeywell Sensor Board



Pressure Sensor
(Part# : ABP2DRRN002ND2B3XX)

Honeywell Sensor Board

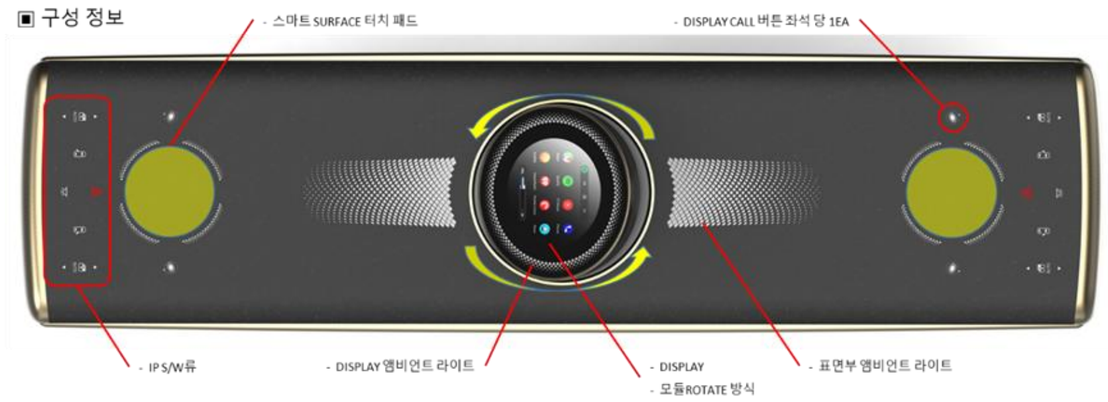


Pressure Sensor
(Part# : ABP2LANT001PG2A3XX)

주요 자체 개발 솔루션

Center Console Table

- Center Console Table: Advanced project commissioned by LSAT





HOD Solution

- Advanced Solution for Automotive





감사합니다