NOVOSENSE

NOVOSENSE Home Appliance Solution

Release Date: April, 2026

Home Appliance Solution Overview

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Home Appliance

Air Conditioner
Refrigerator
Washing Machine
Dishwasher
Gas Water Heater

- Speed/Position/Current sensor
- Temperature & humidity sensor
- Temperature sensor
- Pressure sensor
- MCU
- Isolated gate driver
- Non-isolated gate driver
- Motor driver
- MCU+Driver
- General operational amplifier
- Flyback/Buck/LDO/power monitoring IC
- CAN/LIN interface
- Buffer

Small Home Appliance

Robot Vacuum	**Oven**	**Electric Laundry Rack**
Pop-up Range Hood	**Blender Bottle**	**Air Purifier**
Food Processor	**Stove**	**Humidifier**
Coffee Machine	**Smart Fan**	**Dishwasher**
Smart Rice Cooker	**Electric Toothbrush**	**Gardening Tools**
Microwave Oven	**Massage Chair**	**Power Tools**

- Speed/Position/Current sensor
- Temperature sensor
- Pressure sensor
- Isolated gate driver
- Non-isolated gate driver
- Motor driver
- MCU+Driver
- General operational amplifier
- Flyback/Buck/LDO/power monitoring IC
- CAN/LIN interface

Smart Home

Gimbal Camera	**Smart Jump Rope**
Smart Doors and Windows	**Stereo System**
Smart Dustbin	**Projector**
Electric Curtains	**TV**
Height-Adjustable Desk	**Smart Panel**

- Angle/Position sensor
- Temperature sensor
- Pressure sensor
- Motor driver
- MCU+Driver
- General operational amplifier
- Flyback/Buck/LDO/power monitoring IC

Wearable Devices & Smart Electronics

Wireless Earbuds	**Tablet Cover**
Handheld Gimbal	**Thermometer**
Gaming Console	**Oximeter**
Keyboard	

- Angle/Position sensor
- Temperature sensor
- Pressure sensor
- General operational amplifier
- Flyback/Buck/LDO/power monitoring IC

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Air Conditioner Outdoor Unit

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MCU

MCU (NS800RT1137)

Current & voltage sensing

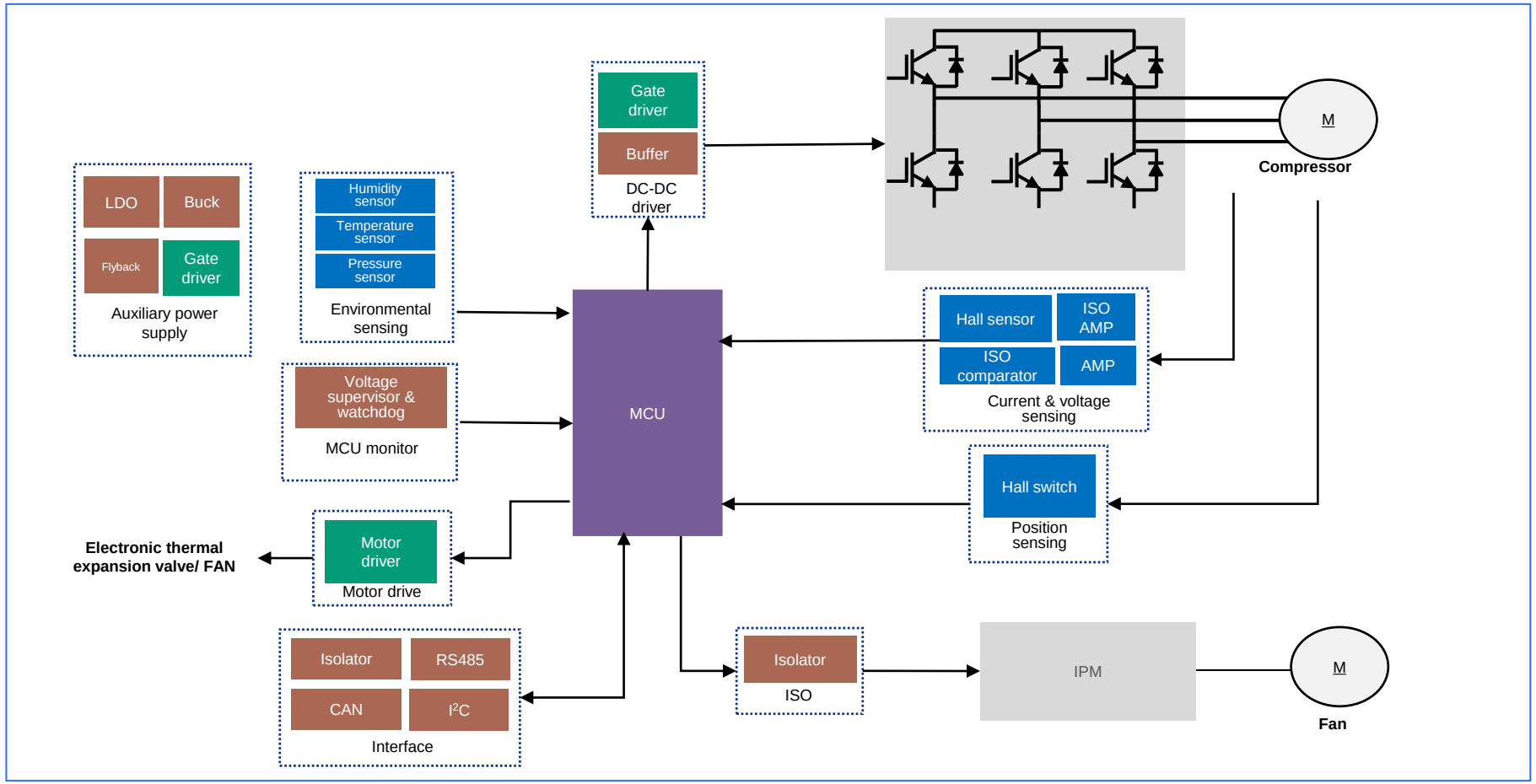
Hall sensor (NSM201x, NSM211x)
Isolated amplifier (NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311, NSI1611)
Amplifier (NSOPA9xxx, NSOPA8xxx)
Isolated comparator (NSI22C12, NSI22C11)

Position & pressure & temperature & humidity sensing

Hall switch (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT65xx)
Temperature sensor (NST100x, NST86)
Humidity sensor (NSHT3x)
Pressure sensor (NSA/C9260X,NSA/C2860X)

Gate driver & buffer

Gate driver (NSD1026V, NSI68515, NSD1624, NSI6801, NSI6601, NSI6601M, NSI6611)
Buffer (NCA8244)



Power management & protection

Flyback (NSR28C4x, NSR2240x, NSR2260x)
Buck (NSR104xx)
LDO (NSR31xxx, NSR33xxx, NSR35xxx)
Voltage supervisor (NSR7808)

Interface & digital isolation

CAN transceiver (NSI1042, NSI1050, NCA1051A, NCA1042B)
RS485 (NSI83085, NSI83086, NCA3485)
I²C (NSI8200, NSI8100)
Isolator (NSI8266, NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31)

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Air Conditioner Indoor Unit

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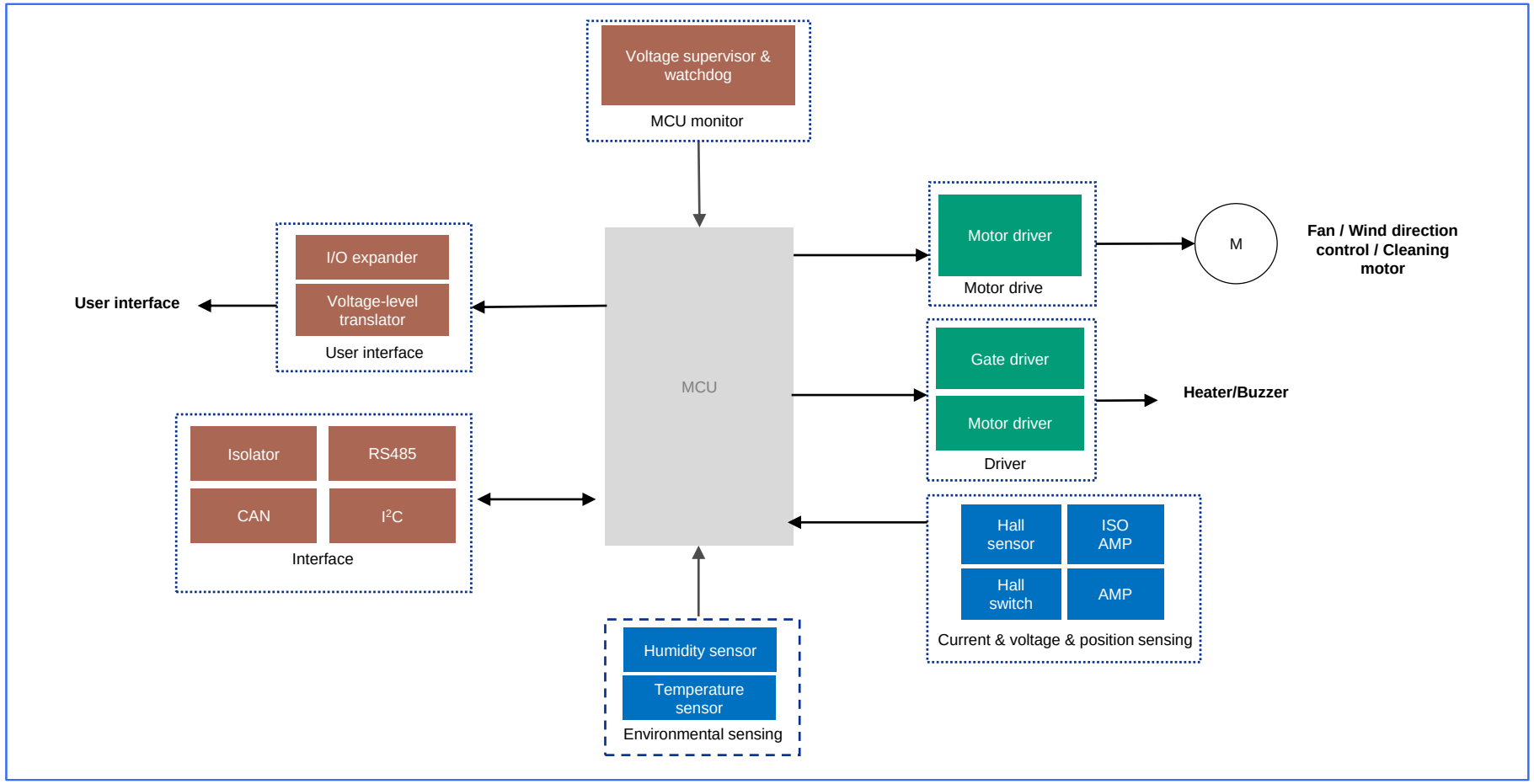
Current & voltage & temperature & humidity sensing

Hall sensor (NSM201x, NSM211x)
Isolated amplifier (NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311, NSI1611)
Hall switch (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT65xx, MT4409, MT87xx, MT86xx)
Temperature sensor (NST1002, NST86)
Temperature & humidity sensor (NSHT3x)
Amplifier (NSOPA9xxx, NSOPA8xxx)

Gate driver & motor driver

Gate driver (NSI68515, NSD1624, NSI6801, NSI6801E, NSI6601, NSI6601M, NSI6601xE, NSI6611, NSI6711)
Motor driver (NSD731x, NSD8308, NSD8312, NSD8381, NSD8389)



Interface & digital isolation

CAN transceiver (NSI1042, NSI1050, NCA1051A, NCA1042B)
RS485 (NSI83085, NSI83086, NCA3485)
I²C (NSI8200, NSI8100)
Isolator (NSI8266, NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31)
I/O expander (NCA9555)

MCU monitor & others

Voltage supervisor (NSR7808)
Voltage-level translator (NCA9306)
I/O expander (NCA9555)

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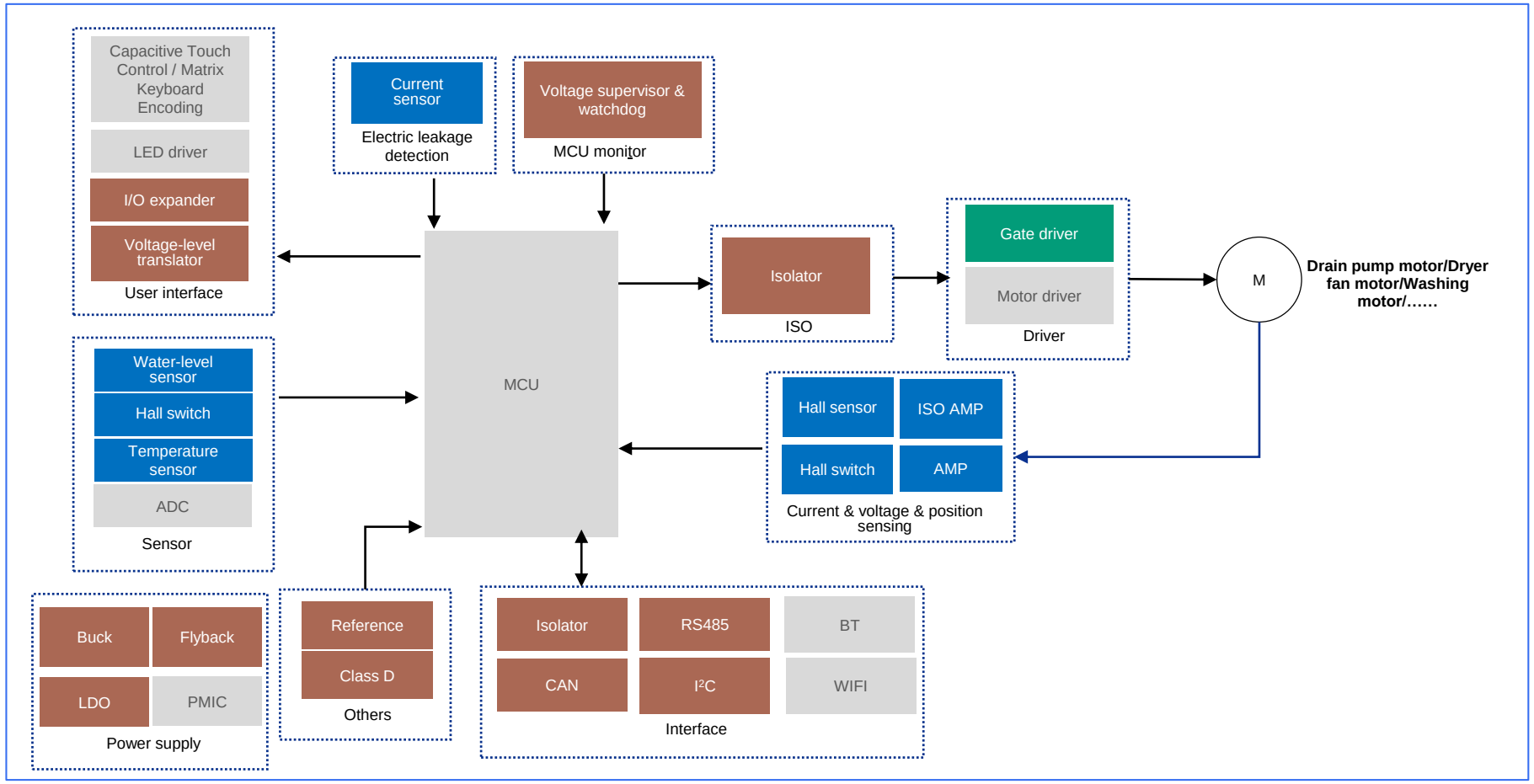
Washing Machine

Current & voltage & temperature & humidity sensing

Hall sensor (NSM201x, NSM211x)
Current sensing (NSCSA21x, NSCSA24x)
Position sensor (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT65xx)
Water-level sensor (NSPGD1(M))
Isolated amplifier (NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311, NSI1611)
Temperature sensor (NST100x, NST86)
Amplifier (NSOPA9xxx, NSOPA8xxx)
Hall switch (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT65xx)
Isolated comparator (NSI22C12, NSI22C11)

Gate driver

Gate driver (NSI68515, NSD1624, NSI6801, NSI6801E, NSI6601, NSI6601M, NSI6601xE, NSI6611, NSI6711)



Power management

LDO (NSR31xxx, NSR33xxx, NSR35xxx)
Buck (NSR104xx)
Flyback (NSR28C4x, NSR2240x, NSR2260x)

Interface & digital isolation

CAN transceiver (NSI1042, NSI1050, NCA1051A, NCA1042B)
RS485 (NSI83085, NSI83086, NCA3485)
I²C (NSI8200, NSI8100)
Isolator (NSI8266, NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31)

MCU monitor & reference & others

Voltage supervisor (NSR7808)
Reference (NSREF30xx, NSREF31xx)
Voltage-level translator (NCA9306)
I/O expander (NCA9555)

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Refrigerator

Current & voltage sensing

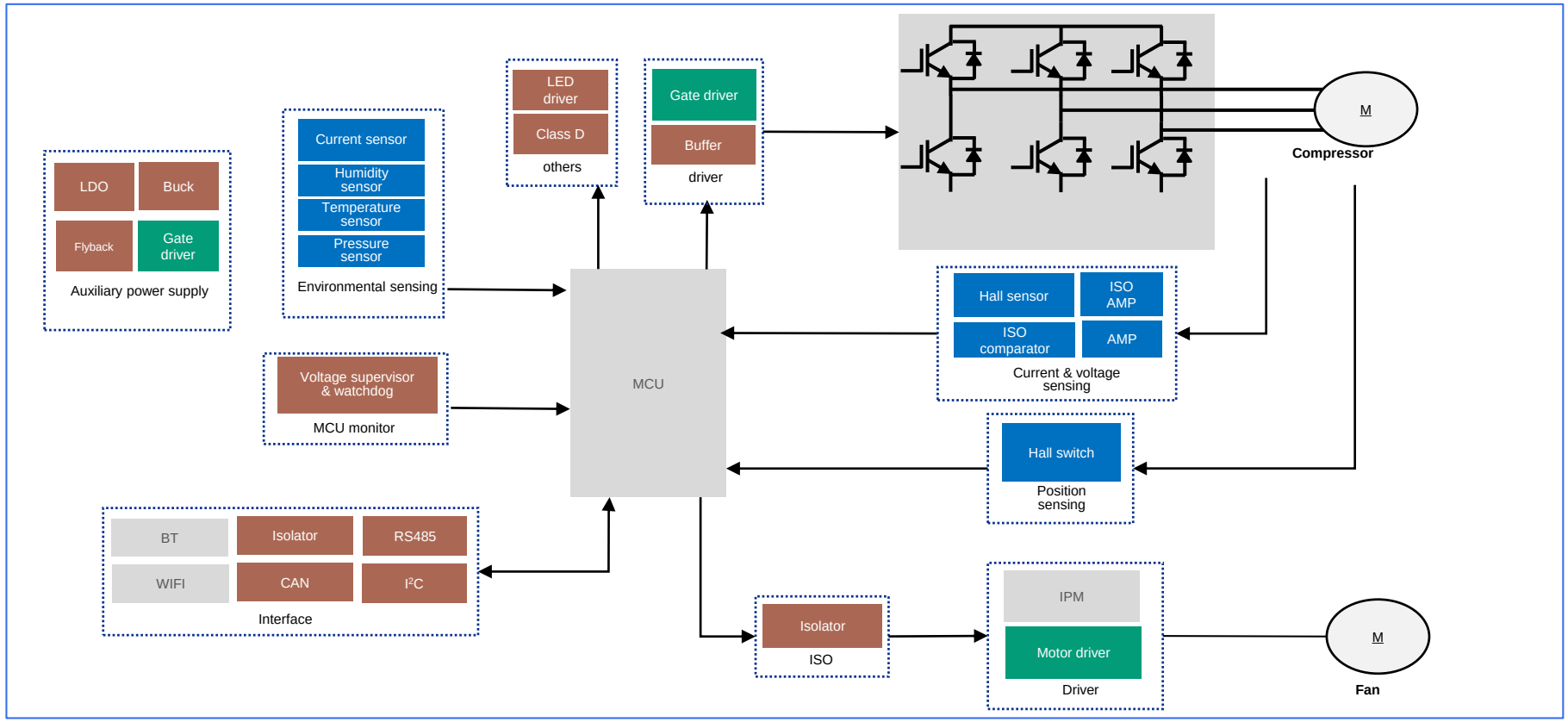
Hall sensor (NSM201x, NSM211x)
Current sensing (NSCSA21x, NSCSA24x)
Isolated amplifier (NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311, NSI1611)
Isolated comparator (NSI22C12, NSI22C11)
Amplifier (NSOPA9xxx, NSOPA8xxx)

Position & pressure & temperature & humidity sensing

Hall switch (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT65xx)
Temperature sensor (NST1001, NST1002, NST86)
Humidity sensor (NSHT3x)
Pressure sensor (NSA/C9260X,NSA/C2860X)

Gate driver & buffer

Gate driver (NSD1026V, NSI68515, NSD1624, NSI6801, NSI6801E, NSI6601, NSI6601M, NSI6601xE, NSI6611, NSI6711)
Buffer (NCA8244)



Power management & protection

Flyback (NSR28C4x, NSR2240x, NSR2260x)
Buck (NSR104xx)
LDO (NSR31xxx, NSR33xxx, NSR35xxx)
Voltage supervisor (NSR7808)

Interface & digital isolation

CAN transceiver (NSI1042, NSI1050, NCA1051A, NCA1042B)
RS485 (NSI83085, NSI83086, NCA3485)
I²C (NSI8200, NSI8100)
Isolator (NSI8266, NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31)

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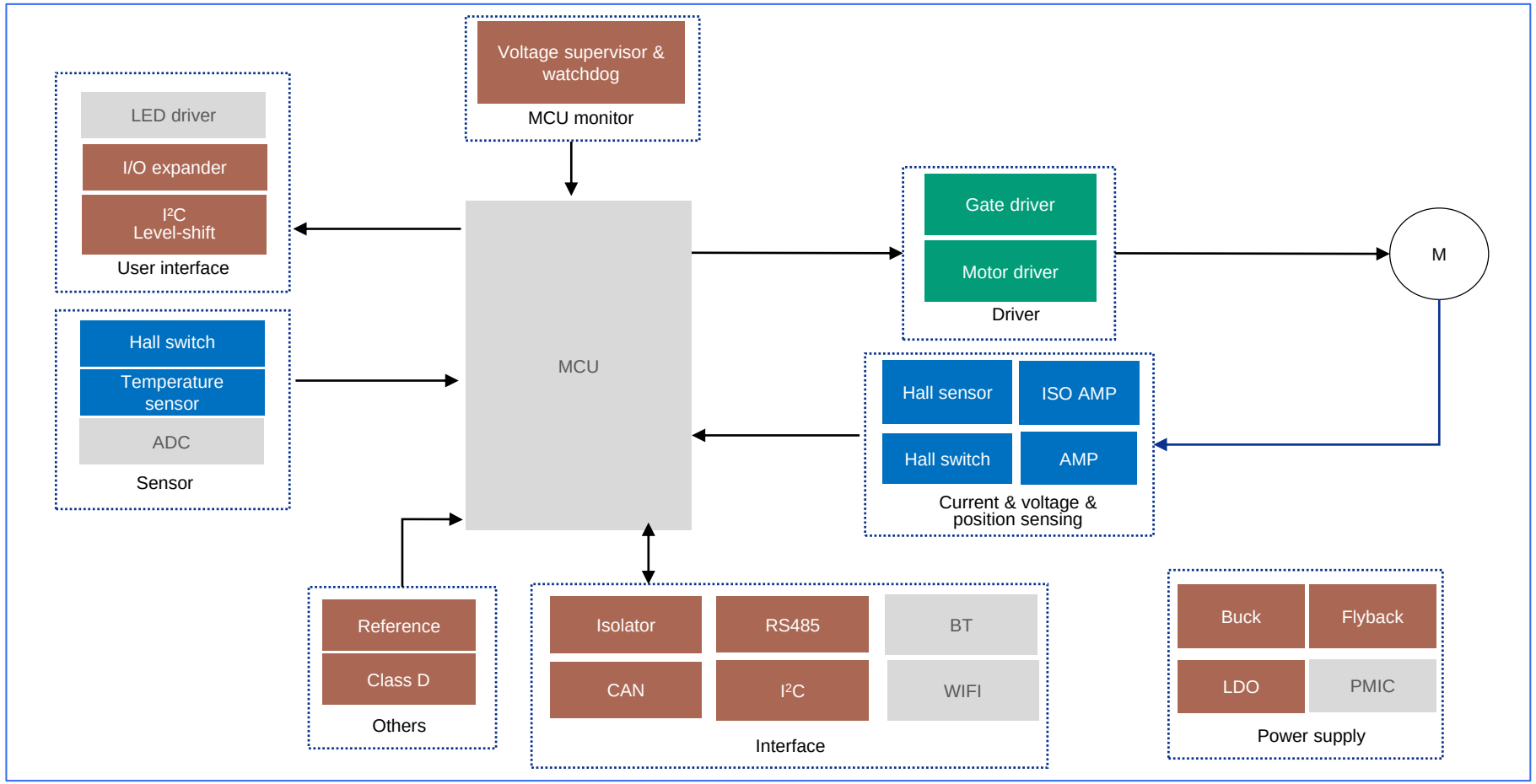
Power Tools / Gardening Tools

Current & voltage & temperature & humidity sensing

Hall sensor (NSM201x, NSM211x, NSM204x)
Position sensor (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT6701)
Isolated amplifier (NSI1400, NSI1300, NSI1200C, NSI1312, NSI1311, NSI1611)
Temperature sensor (NST100x, NST86)
Amplifier (NSOPA9xxx, NSOPA8xxx)
Hall switch (NSM1013, NSM1030, MT83xx, MT89xx, MT72xx, NSM301x, MT65xx)

Gate driver & motor driver

Gate driver (NSD1624, NSI6801)
Motor driver (NSD36xx, NSD73xx)



Power management

LDO (NSR31xxx, NSR33xxx, NSR35xxx)
Buck (NSR104xx)
Flyback (NSR28C4x, NSR2240x, NSR2260x)

Interface & digital isolation

CAN transceiver (NSI1042, NSI1050, NCA1051A, NCA1042B)
RS485 (NSI83085, NSI83086, NCA3485)
I²C (NSI8200, NSI8100)
Isolator (NSI8266, NSI822x, NSI823x, NSI824x, NSIP894x, NIRSP31, NIRS21, NIRS31)

MCU monitor & reference & others

Voltage supervisor (NSR7808)
Reference (NSREF30xx, NSREF31xx)
I²C Level-shift (NCA9306)
I/O expander (NCA9555)

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Technical Support

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NOVOSENSE Automotive Solution

NOVOSENSE Renewable Energy & Power Supply Solution

NOVOSENSE Industrial Control Solution

NOVOSENSE Home Appliance Solution

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