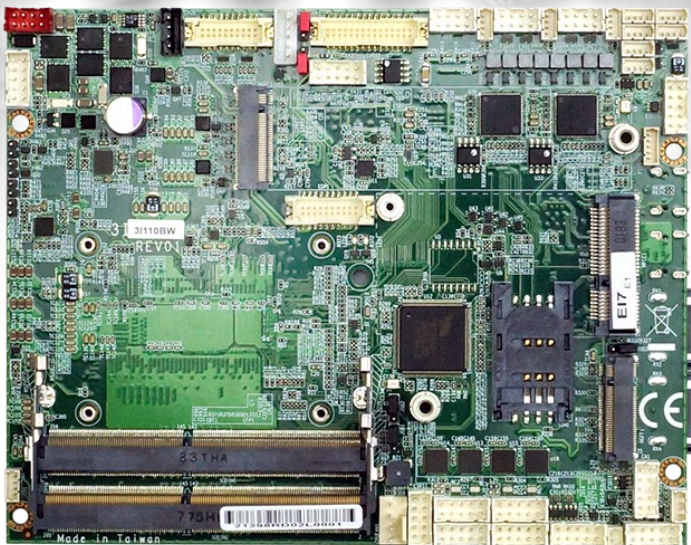intel
Tiger
Lake-UP3

3I110HW / BW
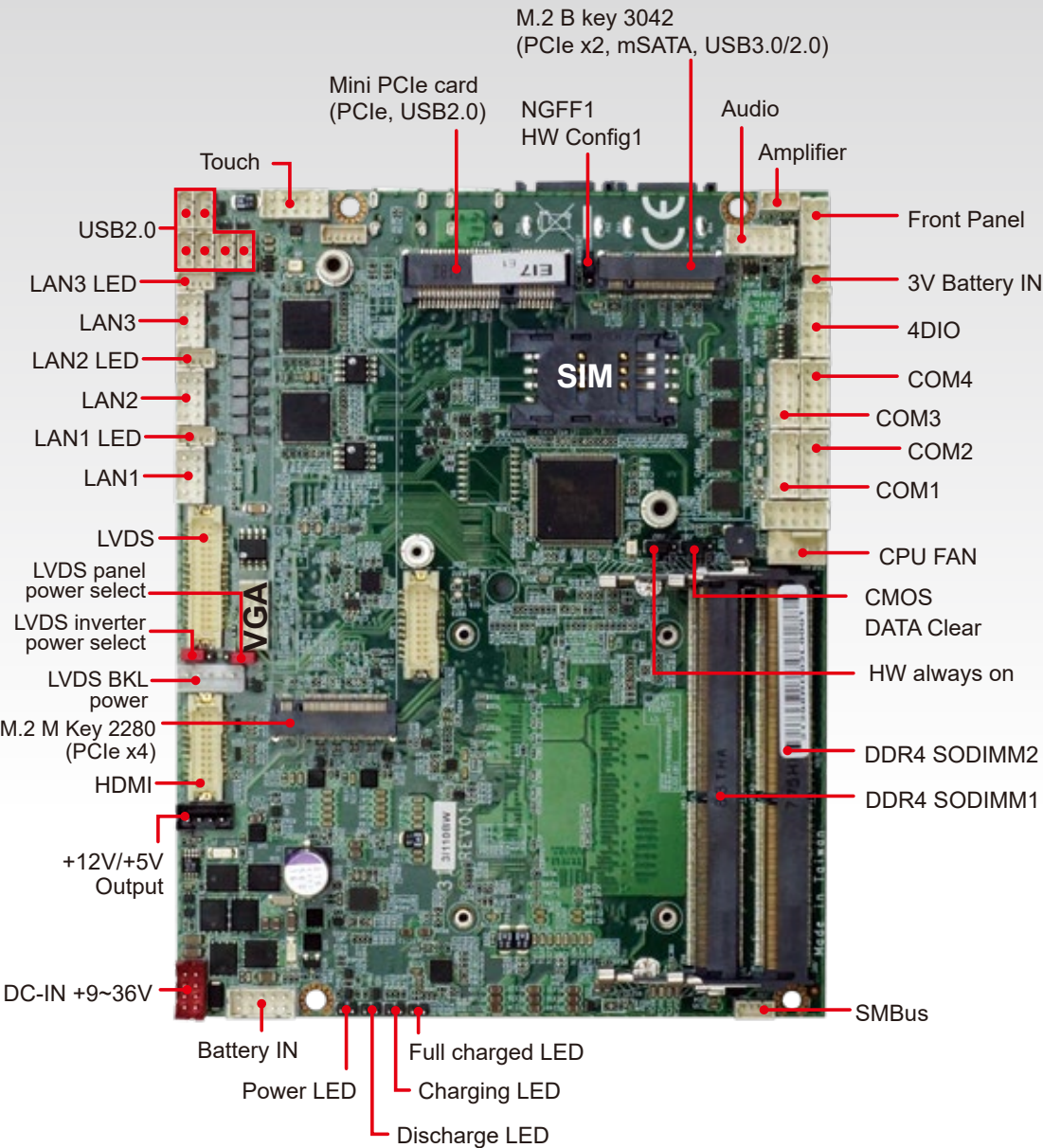
Flexible IO expansion & Battery Charger function 3.5" SBC
with 11th Intel® Tiger Lake-UP3 Processor

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3I110HW / BW

LEX SYSTEM latest 3.5" SBC 3I110HW/BW is with 11th Gen. Intel® Tiger Lake-UP3 i7/i5/i3/Celeron processor which offers users powerful and flexible solution for industrial and embedded applications. The faster performance and greater AI acceleration plus with battery charger features make this platform well suited for reliability and mobility constrained embedded applications, such as Automation Control, Transportation, ATM machines, medical / hospital station and warehouse solution.

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Function Map

intel
Tiger
Lake-UP3

146 x 115 mm

Touch
Mini PCIe card (PCIe, USB2.0)
M.2 B key 3042 (PCIe x2, mSATA, USB3.0/2.0)
NGFF1 HW Config1
Audio
Amplifier
USB2.0
LAN3 LED
LAN3
LAN2 LED
LAN2
LAN1 LED
LAN1
SIM
Front Panel
3V Battery IN
4DIO
COM4
COM3
COM2
COM1
LVDS
LVDS panel power select
LVDS inverter power select
LVDS BKL power
M.2 M Key 2280 (PCIe x4)
HDMI
VGA
CPU FAN
CMOS DATA Clear
HW always on
DDR4 SODIMM2
DDR4 SODIMM1
+12V/+5V Output
DC-IN +9~36V
Battery IN
Power LED
Discharge LED
Charging LED
Full charged LED
SMBus

3I110HW / 3I110BW

3I110HW/ BW –high performance solution
for AI Acceleration

- 11th Gen Intel® Tiger Lake-UP3, i7 / i5 / i3 / Celeron CPU

- 2 x DDR4 SODIMM Max.64GB

- Multiple Independent display: VGA, HDMI, DP, eDP or LVDS

- 3 x Intel GbE i219LM/ i210IT LAN, 6 x USB 2.0

- 4 x COM RS232/ 422/ 485, Touch Screen,4DI/ 4DO

- 1 x Mini PCIe (PCIe / mSATA / USB 2.0/ 3.0)

- 1 x SIM, 1 x M.2 B Key Type 3042 (PCIex2/ mSATA/ USB/ 3.0/ 2.0)

- 1 x M.2 M Key Type 2280 (PCIe x 4) , Support NVMe

- TPM 2.0 (Optional)

- Wide Range DC IN +9~36V , Battery Charger Function (3I110BW)

- Operation Temp. : -20°C~ + 70°C

Data Sheet

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Waterproof solution with 11th Gen Intel Tiger Lake-UP3, i7 / i5 / i3 / Celeron Platform

LEX SYSTEM IP67 Embedded Systems and Panel PC series are with the 11th Gen Intel® Core™ i7/i5/i3 UP3-series (Tiger Lake) platform which offering IP67 rating protection with waterproof and dust-resilience capability, -20°C to 60°C extended operating temperature, 9V to 36V DC input, battery charger function and multiple M12 waterproof connectors in slim, fanless & rugged design.

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IP67 Waterproof

SHARK IP67 Box PC

Dimension: 250W x 168D x 40H

• Compact size Fanless Solution

• IP67 waterproof solution

Lex SYSTEM®

SHARK

STAR

STAINLESS

Waterproof Bezel Free Panel PC

SHARK/ STAR/ STAINlESS IP67 Waterproof Solution

• Touch Screen panel

• Bezel free mechanical design

IP67 Waterproof

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About LEX Comptech

Established in 1990, LEX Computech is an industrial computer manufacturer, provides LEX SYSTEM embedded solutions include designing and manufacturing of industrial motherboards, fanless embedded systems, rugged panel PC, in-vehicle fanless PC, network appliances, machine vision and automation controllers & IoT related solutions.

LEX SYSTEM's R&D team consisted with electronics, layout, system, mechanical, BIOS, firmware as well as software engineers, plus with experienced project management, in-house manufacturing and after sales service provides ODM /OEM customized products for various application-oriented projects.

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