

N-touch

TOUCHSCREENS AND HMI DEVICES

N-touch HMI devices are powerful, durable, and reliable solutions that respond flawlessly to the needs and challenges of a variety of industries and environments. A perfect fit in signage, retail, and industrial usage.



N-and
VENDING AHEAD ▶

Technology at your fingertips

N-touch HMI devices offer ready-to-use modules for an easy and rapid integration. They are fully customisable to meet specific requirements across industrial, commercial, and manufacturing applications.

Whether it's adapting existing products in our portfolio with your chosen features for urgent needs or designing a completely new solution based on your specifications, we provide comprehensive customisation services from mechanical to electronics, to the development of cloud-based digital services.

CROSS PRODUCT FEATURES

- Modern and robust design
- Projective-capacitive touch panel
- Hi-resolution display for industrial and commercial applications
- Safety tempered glass
- Intel® processors
- Windows and Linux OS supported
- Fast connectivity through 4G/LTE, LAN, Wi-Fi, Bluetooth
- International standards compliance



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N-TOUCH 8 INTERACTIVE USER INTERFACE



INTEL® CHERRY TRAIL
-X5 1.84GHZ CPU



4G LPDDR3 RAM



CPU

Intel® Cherry Trail
-x5 1.84Ghz
Thermal Sink no fan required



SIZE & WEIGHT

127 x 195 x 18 mm
508G



OS

Ubuntu 18.04



RAM & ROM

4G LPDDR3 RAM
Flash 32G eMMC ROM



TOUCH PANEL

5 point capacitive touch



GRAPHIC

Intel® UHD Graphics



POWER

No switch -
@ POWER ON



GLASS

3.2mm Safety Glass



LCD

8"1280x800TFT,
310nits



LED LIFE

Min 20000 Hours



NETWORK

Wi-Fi
Bluetooth



UART

1 (1.8V)



POWER DC

5 VDC Power
Supply Included



USB

2 x 2.0 (External)



SPEAKER & MIC

2W (R/L)
1x Analog MIC



MECHANICAL

Aluminium frame



OPERATING TEMP

-10 / +60 [°C]



STORAGE TEMP

-20 / +70 [°C]

N-TOUCH 10 INTERACTIVE USER EDGE INTERFACE




RK3568 ARM QUAD-CORE
ARM CORTEx-A55


2GB DDR4 RAM



CPU

RK3568 ARM quad-core
ARM Cortex-A55

Thermal Sink no fan required



SIZE & WEIGHT

252mm(H) x 172mm(W) x
40mm(D)
1170g



OS

Linux YOCTO / Android



RAM & ROM

2GB DDR4 RAM
8GB eMMC ROM



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Arm Mali-G52



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered
Safety Glass



LCD

10.1"1920x1200
400nits



LED LIFE

Min 30000 Hours



NETWORK

2x Gigabit Ethernet
Dual Wi-Fi on board
BLE 4.2 (on Board)



INTERFACES

2x USB
1x CAN
1x RS232
1x RS485



POWER DC

12Vdc Power Supply
Included



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

1x 1W
1x Analog MIC



MECHANICAL

Aluminium frame



OPERATING TEMP

-20 / +70 [°C]



STORAGE TEMP

-30 / +80 [°C]

N-TOUCH 10 PLUS EDGE HMI



**INTEL ATOM® X6413E/
E3950/N100 CPU**



**4GB RAM WITH
8GB OPTION**



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

252mm(H) x 172mm(W) x
40mm(D)
1170g



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered
Safety Glass



LCD

10.1"1920x1200
400nits



LED LIFE

Min 30000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

12VDC Power Supply Included
No SWITCH - @ POWER ON
Additional reset button



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

1x 1W
1x Analog MIC



MECHANICAL

Aluminium frame



OPERATING TEMP

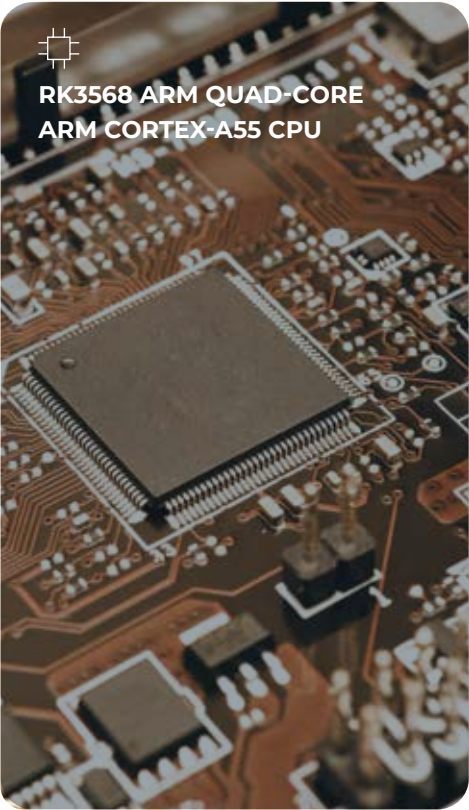
-20 / +80 [°C]



STORAGE TEMP

-30 / +85 [°C]

N-TOUCH 13 INTERACTIVE USER INTERFACE



CPU

RK3568 ARM quad-core
ARM Cortex-A55
Thermal Sink no fan required



SIZE & WEIGHT

319.4mm(H) x 205mm(W) x
32.2mm(D)
1200 (g)



OS

Linux YOCTO / Android



RAM & ROM

2GB DDR4 RAM
8GB eMMC



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Arm Mali-G52 GPU



TOUCH PANEL

PCAP Multitouch



GLASS

1.1mm Chemical
Tempered Safety



LCD

13.3"1920x1080
400nits



LED LIFE

Min 30000 Hours



NETWORK

2x Gigabit Ethernet
Dual Wi-Fi on board
BLE 4.2 (on Board)



INTERFACES

2x USB
1x CAN
1x RS232
1x RS485



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



MECHANICAL

Aluminium frame



OPERATING TEMP

-20 / +70 [°C]



STORAGE TEMP

-30 / +80 [°C]

N-TOUCH 13 PLUS EDGE HMI



**INTEL ATOM® X6413E/E3950/
N100 CPU**



**4GB RAM WITH
8GB OPTION**



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

319.4mm(H) x 205mm(W) x
32.2mm(D)
1200 (g)



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

1.1mm Chemical
Tempered Safety



LCD

13.3"1920x1080
400nits



LED LIFE

Min 30000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



MECHANICAL

Aluminium frame



OPERATING TEMP

-20 / +80 [°C]



STORAGE TEMP

-30 / +85 [°C]

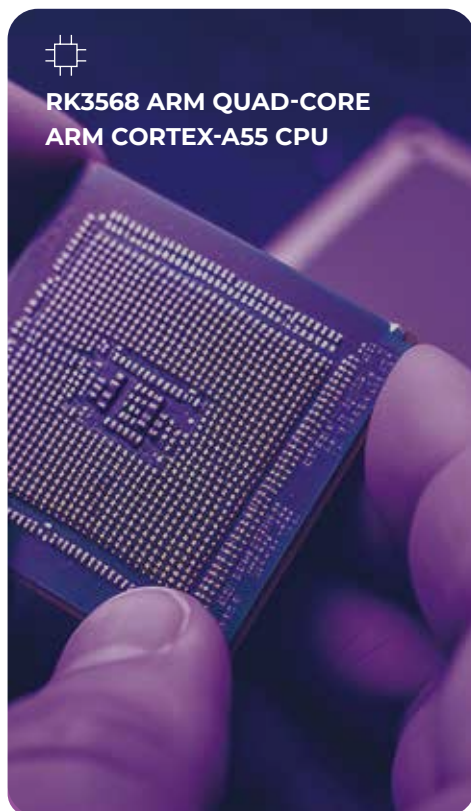
N-TOUCH 15 INTERACTIVE USER INTERFACE



**RK3568 ARM QUAD-CORE
ARM CORTEX-A55 CPU**



2GB DDR4 RAM



CPU

RK3568 ARM quad-core
ARM Cortex-A55

Thermal Sink no fan required



SIZE & WEIGHT

399mm(H) x 246mm(W) x
38.9mm(D)
2600 (g)



OS

Linux YOCTO / Android



RAM & ROM

2GB DDR4 RAM
8GB eMMC



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Arm Mali-G52 GPU



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered Safety
Glass with 45° edge cut



LCD

15.6"1920x1080
500nits



LED LIFE

Min 50000 Hours



NETWORK

2x Gigabit Ethernet
Dual Wi-Fi on board
BLE 4.2 (on Board)



INTERFACES

2x USB
1x CAN
1x RS232
1x RS485



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



MECHANICAL

Aluminium frame



OPERATING TEMP

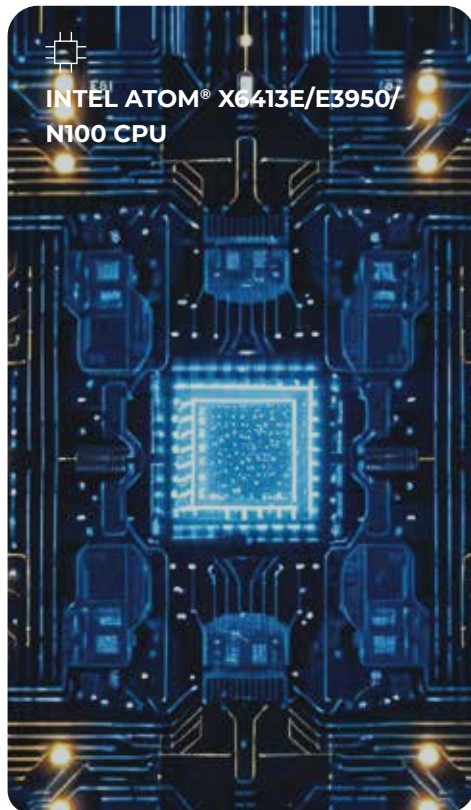
-20 / +70 [°C]



STORAGE TEMP

-30 / +80 [°C]

N-TOUCH 15 PLUS EDGE HMI



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

399mm(H) x 246mm(W) x
38.9mm(D)
2600 (g)



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered Safety Glass
with 45° edge cut



LCD

15.6"1920x1080
500nits



LED LIFE

Min 50000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON
Additional reset button



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



MECHANICAL

Aluminium



OPERATING TEMP

-20 / +80 [°C]



STORAGE TEMP

-30 / +85 [°C]

N-TOUCH 15 PLUS EDGE HMI OUTDOOR



**UV RESISTANT
TOUCH SCREEN**



**ENHANCED BRIGHTNESS FOR
BETTER OUTDOOR VISIBILITY**



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

399mm(H) x 246mm(W) x
38.9mm(D)
2800 (g)



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



CAMERA

1x 2592 x 1944px
68 deg



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

AR Laminated heat insulating
Tempered Safety Glass



LCD

15.6"1920x1080
1000nits



LED LIFE

Min 30000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON
Additional reset button



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



MECHANICAL

TP and Display detached
with Air cushion with
optional airflow fans



OPERATING TEMP

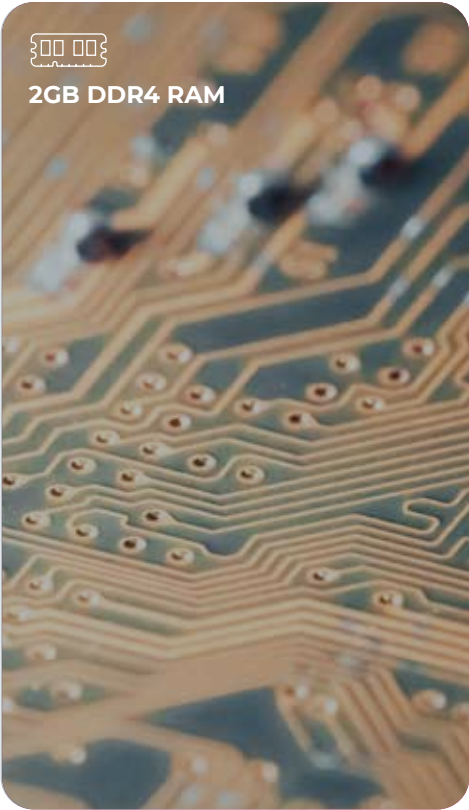
-20 / +80 [°C]



STORAGE TEMP

-30 / +85 [°C]

N-TOUCH 21 INTERACTIVE USER INTERFACE



CPU

RK3568 ARM quad-core
ARM Cortex-A55
Thermal Sink no fan required



SIZE & WEIGHT

534mm(H) x 332mm(W) x
43.7mm(D)
7000 (g)



OS

Linux YOCTO / Android



RAM & ROM

2GB DDR4 RAM
8GB eMMC



MECHANICAL

Aluminium frame



GRAPHIC

Arm Mali-G52 GPU



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered Safety Glass



LCD

21.5"1920x1080
300nits



LED LIFE

Min 30000 Hours



NETWORK

2x Gigabit Ethernet
Dual Wi-Fi on board
BLE 4.2 (on Board)



INTERFACES

2x USB
1x CAN
1x RS232
1x RS485



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



OPERATING TEMP

-20 / +70 [°C]



STORAGE TEMP

-30 / +80 [°C]

N-TOUCH 21 PLUS EDGE HMI



**INTEL ATOM® X6413E/E3950/
N100 CPU**



**4GB RAM WITH
8GB OPTION**



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

534mm(H) x 332mm(W) x
43.7mm(D)
7000 (g)



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



MECHANICAL

Aluminium frame



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered Safety Glass



LCD

21.5"1920x1080
300nits



LED LIFE

Min 30000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON
Additional reset button



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



OPERATING TEMP

-20 / +80 [°C]



STORAGE TEMP

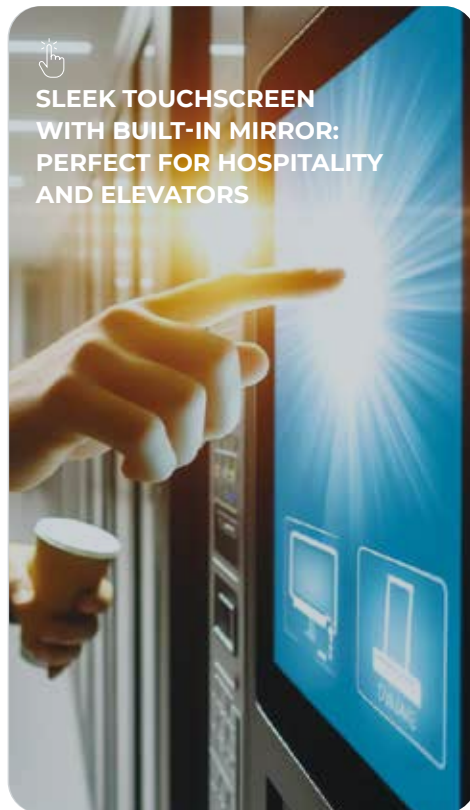
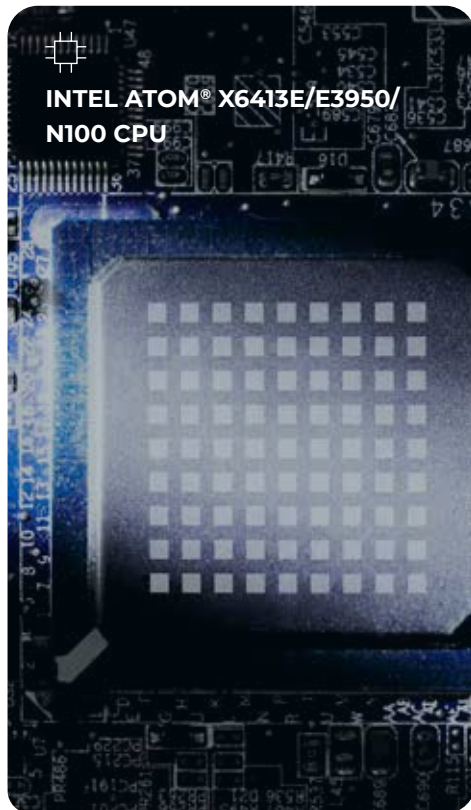
-30 / +85 [°C]



OTHER

1xRS232
12 programmable I/O
CAN/RS485

N-TOUCH 21 PLUS EDGE HMI MIRROR



**INTEL ATOM® X6413E/E3950/
N100 CPU**

**SLEEK TOUCHSCREEN
WITH BUILT-IN MIRROR:
PERFECT FOR HOSPITALITY
AND ELEVATORS**



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

534mm(H) x 332mm(W) x
43.7mm(D)
7000 (g)



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



MECHANICAL

Aluminium frame



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered Safety
Mirror Glass



LCD

21.5"1920x1080
250nits



LED LIFE

Min 30000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

12VDC Power Supply Included
Dual LED indication
No SWITCH - @ POWER ON
Additional reset button



4G/LTE

MPCIe with nano Sim CARD
on board (MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



OPERATING TEMP

-20 / +80 [°C]



STORAGE TEMP

-30 / +85 [°C]



OTHER

1xRS232
12 programmable I/O
CAN/RS485

N-TOUCH 32 PLUS EDGE HMI



**INTEL ATOM® X6413E/E3950/
N100 CPU**



**4GB RAM WITH
8GB OPTION**



CPU

Intel Atom® x6413E/
E3950/N100

Thermal Sink no fan required



SIZE & WEIGHT

787mm(H) x 482mm(W) x
62.85mm(D)
14700 (g)



OS

Linux UBUNTU



RAM & ROM

4GB RAM with 8GB option
32GB eMMC with 64Gb option



MECHANICAL

Aluminium frame



GRAPHIC

Intel® UHD Graphics
for 10th Gen Intel®
Processors



TOUCH PANEL

PCAP Multitouch



GLASS

4mm Tempered Safety
Mirror Glass



LCD

31.5"1920x1080
500nits



LED LIFE

Min 50000 Hours



NETWORK

Ethernet 1000
Wi-Fi dual band on M.2
BLE on M.2



INTERFACES

1x USB 3.0 High Speed (External)
2x USB 2.0 (External)
1x USB Type C (External) with DP
(for second screen) and PD (9V)
4x Internal USB 3.0



POWER DC

24VDC Power Supply Included
No SWITCH - @ POWER ON
Additional reset button
Battery Only RTC



4G/LTE

MPCIe with nano Sim CARD
on board – Internal Antenna
(MODEM is OPTIONAL)



SPEAKER & MIC

2x 1W
1x Analog MIC



OPERATING TEMP

-20 / +80 [°C]



STORAGE TEMP

-30 / +85 [°C]



OTHER

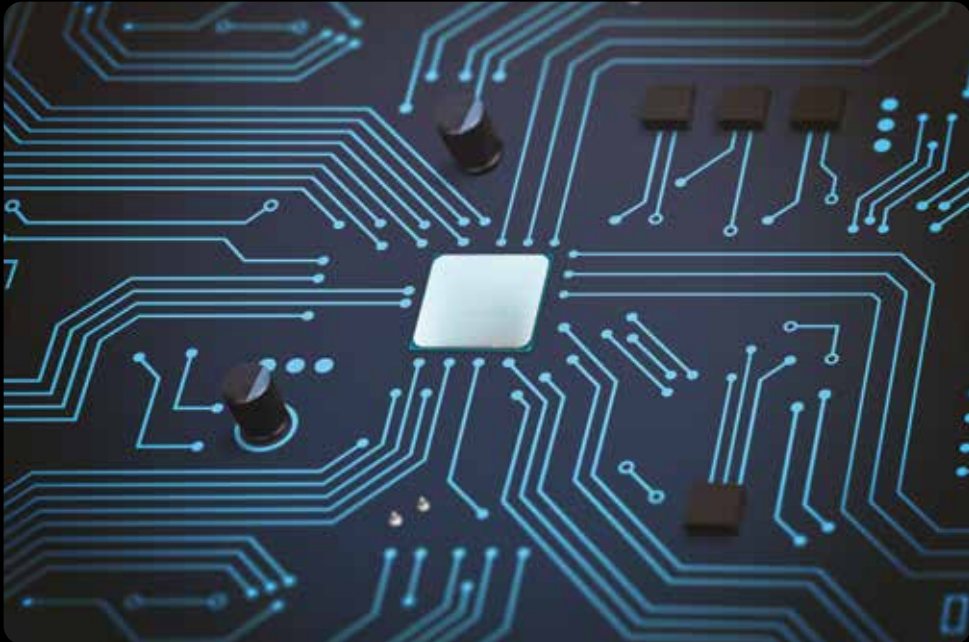
1xRS232
12 programmable I/O
CAN/RS485

N-and HMI devices offer ready-to-use modules for an easy and rapid integration. They are fully customisable to meet specific requirements across industrial, commercial, and manufacturing applications.



Whether it's adapting existing products in our portfolio with your chosen features for urgent needs or designing a completely new solution based on your specifications, we provide comprehensive customisation services from mechanical to electronics, to the development of cloud-based digital services.





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WWW.N-ANDGROUP.COM

