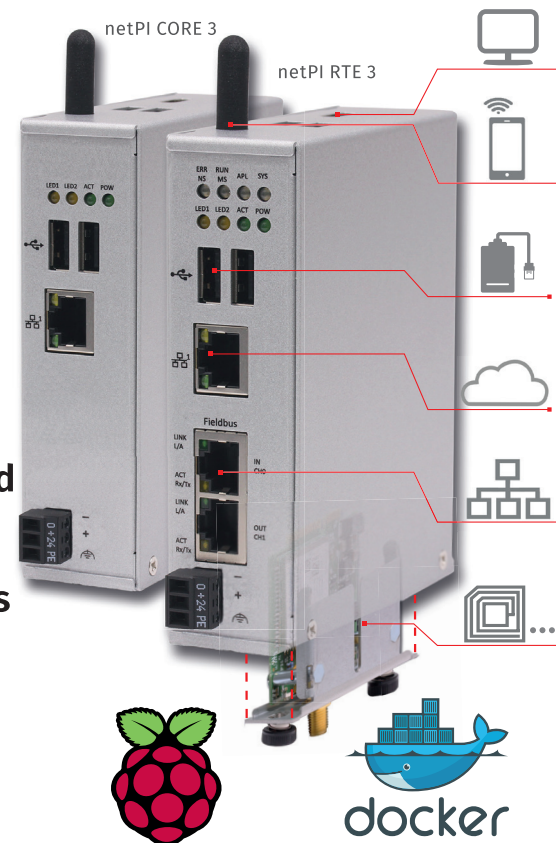


- 💡 **Multi-protocol Industrial Ethernet support**
- 💡 **Web GUI maintained Docker ecosystem**
- 💡 **Full CPU clock speed up to 50 °C ambient air**
- 💡 **Replaceable industrial suited 8 GB micro SD card**
- 💡 **Expandable with additional networking modules**
- 💡 **CE, FCC, UL, KCC, RED certified, MTBF available**



Hardened design for industrial use

The netPI is an industrial suited Raspberry Pi 3B custom design made to run any applications of the IT/OT Edge, Integrated Industry and Automation business. With the powerful 1.2 GHz quad-core ARM CPU the platforms are ready-made for any demanding Cloud, Industry 4.0 and Industrial Internet of Things (IIoT) projects.

Onboard WLAN IEEE 802.11 a/b/g/n and Bluetooth 4.2 and four USB 2.0 A ports are supported. An expansion slot at the bottom accepts extension modules made for advanced networking such as RS232, RS485, CAN, digital I/Os and others or own custom boards. A maintenance free hardware real-time clock ensures clocking during power outages for 7 days.

The model netPI RTE 3 includes Hilscher's multiprotocol SoC netX additionally implementing Industrial Ethernet networks such as PROFINET, EtherCAT, EtherNet/IP and more as a slave/device over two additional RJ45 ports. This model also supports an auxiliary ferroelectric memory (FeRAM) with high endurance for data to be rewritten billions of times non-volatile.

To meet the EMC standards EN 55011 and IEC 61000 netPI is housed in a robust metal chassis while the PCB consists two layers more (GND and PE) compared to a standard Raspberry Pi 3B. By default the device are delivered with preloaded software on a 8 GB industrial suited memory card.

The netPI software is based on a AppArmor-secured Yocto Linux distribution meeting the aspects of the IEC 62443 cybersecurity standard for automation and control systems. By default features such as high assurance boot, account management, user authentication, event auditing, https communication and integrity-checked software updates only and many more are supported.

