Professional Software Service

BIOS, Bootloader, Kernel, eAPI,
Driver & Embedded OS/BSP

Professional Software Sevice

System Intergrators						
POS	Kiosk	Transportation	Railway	Medical	Marine	Military

Remote Management Utility (Xcare 3.0)
One-Click Recovery | WhiteList Protection

EtherCAT Master (NexCAT 1.0)

Embedded OS/BSP Development

Windows CE/ XP/ WES7/ WES8	Embedded Linux/Android	Real-Time OS RTX, QNX

Embedded API/Drivers | **BIOS, Boot-Loader & Kernel Modification**

NEXCOM x86 / ARM Hardware Platform
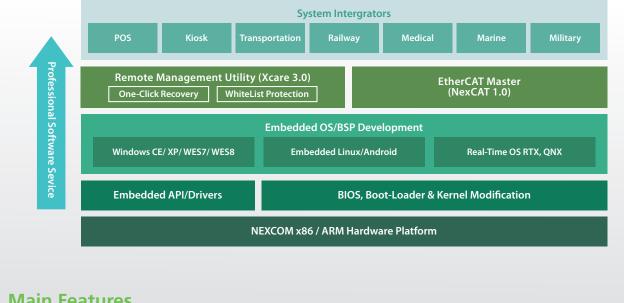
Main Features

- BIOS, Boot-loader & Kernel Modification Service
- Embedded API/Drivers for Programmer
- Embedded OS/BSP Development

- One Click Recovery
- White List Protection

Series Overview

BIOS, Boot-loader & Kernel Modification Service

NEXCOM modularized BIOS architecture allows customers to configure BIOS features for specific vertical market demands. Customers can easily install or remove specific BIOS features to create unique and stable BIOS.

On SOC platform, we offer customize boot-loader for PMIC, DDR, EMMC initial & CPU register programming. Our customize Kernel layer will initial all peripherals including WIFI + BT, GPS, Touch, LCD & CPU frequency upgrade. Make the customize SOC platform have the best capability and performance.

Embedded API/Drivers for Programmer

On top of embedded OS, we offer embedded API for application programmer, which speeds development, enhances security and offers the unified interface for accessing Nexcom hardware. NEXCOM follows PICMG common API (eAPI) standard to unify the software control of the features:

- System information
- Watchdog timer
- I2C Bus

- Flat panel brightness control
- User storage area
- GPIO

Embedded OS/BSP Development

Being a long-term Partnership with Microsoft, as an official member of Microsoft Embedded Partner, NEXCOM develops and offers complete BSP-ready (Board Support Package) platform solution based series of Microsoft Embedded OS, like Windows Compact, XP Embedded, and Windows 7/ WES7, even the newest Windows 8/ RT. For advanced features of Real-time OS, NEXCOM offers RTX, QNX, Android 4.X BSP porting service.

One Click Recovery

Partnership with the leading backup & Recovery solution provider, Acornis, NEXCOM offers Simple one-click solution for Embedded Devices which can apply to wide range OS platforms for wide range of applications. The unique one-click Acronis features can support the following data backup & system recovery thru intuitive user interface (GUI)

White List Protection

By joining the Intel Intelligent Framework, NEXCOM also offer McAfee Embedded Security solution to provide protection against existing and any unknown zero day polymorphic threats via malware such as worms, viruses, Trojans and buffer-overflow threats, etc thereby ensuring that the device when in production is secure and cannot be compromised. The McAfee Application Control feature helps reduce costs of operations by reducing both planned patching and unplanned recovery downtime, thereby increasing device availability. This turns out to be an ideal solution especially for embedded devices as it reduces the support costs by reducing number of touch points needed.

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We reserve the right to change specifications and product descriptions at any time without prior notice.

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