


ABOUT NEXCOM

Founded in 1992 and headquartered in Taipei, Taiwan, NEXCOM is a publicly listed company dedicated to being a reliable partner in the development of intelligent solutions for various industrial vertical markets. With a service-to-market business model, NEXCOM possesses the core competency to create a strong global service network by offering customized design, worldwide logistics, and real-time support. The company has the ability to design and manufacture products in-house, ensuring that quality

is not compromised in their application-driven product lines and services.

Committed to deliver core values to customers, NEXCOM values its capabilities from Six Business Units to target rapidly expanding vertical markets. Each BU has been established to build its products portfolio, serve industrial solutions, and also key accounts that require ODMs.

IAS	IoT Automation Solutions: Industrial Automation & II.0 Execution, Intelligent Edge, Gateway & EWR, Industrial Robot Control, EtherCAT Motion Solutions, Wireless & Embedded Solutions for Industrial IoT
IDS	Intelligent Video Surveillance: IP Video Surveillance Cameras, Mobile Cameras, ANPR/LPR Network Cameras, Panoramic Cameras, NVR Server Platform
IPS	Intelligent Platform @ Smart City: Smart City, Smart Retail, Digital Signage, Interactive Kiosks, Hospitality, Gateway, Edge AI, and ODM Customization Services
MCS	Mobile Computing Solutions: Fitness Console , Edge AI Telematics Computer, Vehicle Telematics Computer, Railway Computer, Vehicle Mount Computer, Vehicle Mount Display, In-Vehicle Networking, In-Vehicle HDMI Extender over IP
MHI	Medical and Healthcare Informatics: Total Solutions with a Variety of Medical IT Systems
NCS	Network and Communication Solutions: Cyber Security, HPC, Telecommunications, Storage, SDN/NFV, 5G, uCPE, ICS Security




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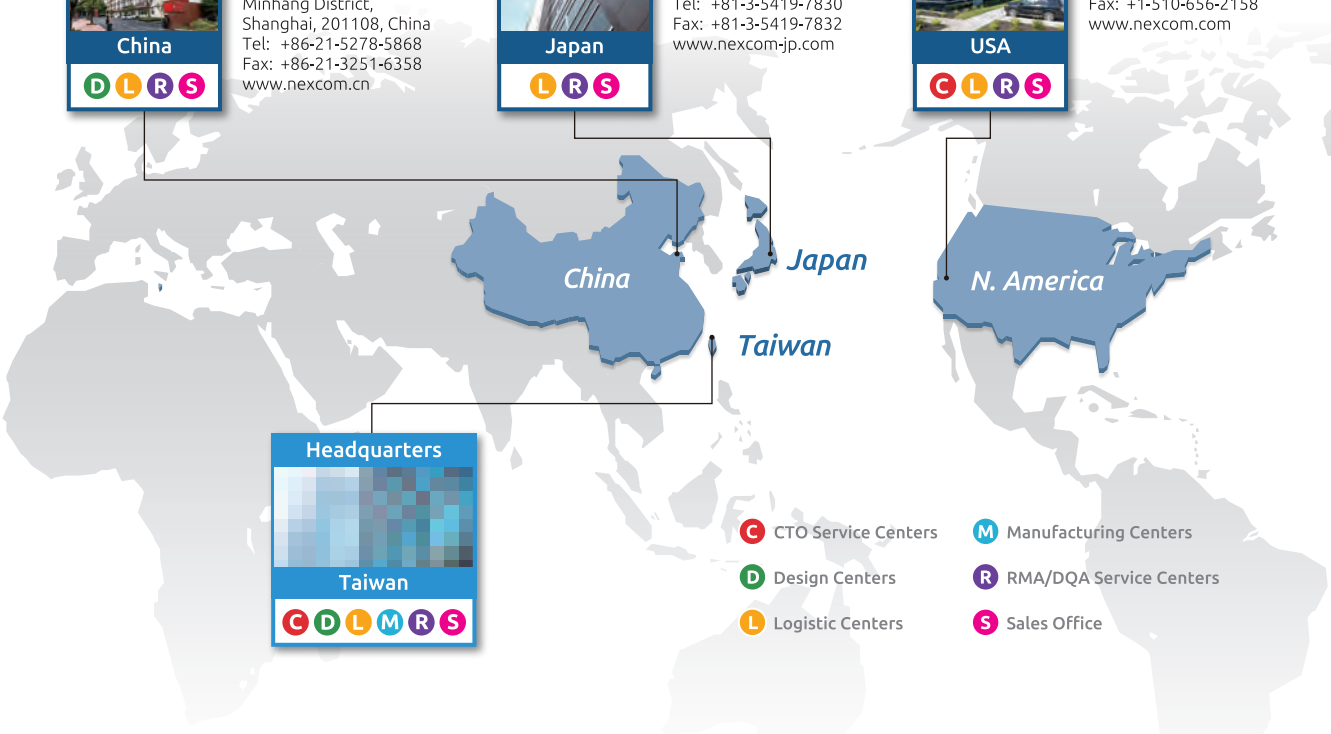
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C L R S




Headquarters

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C D L M R S

Legend:

- C CTO Service Centers
- D Design Centers
- L Logistic Centers
- M Manufacturing Centers
- R RMA/DQA Service Centers
- S Sales Office



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Always Moving Forward

**WE ODM CONSOLE
IN YOUR WAY**

**Fitness Console Computing
Integrated Solution**

www.nexcom.com

ODM Fitness Console Services



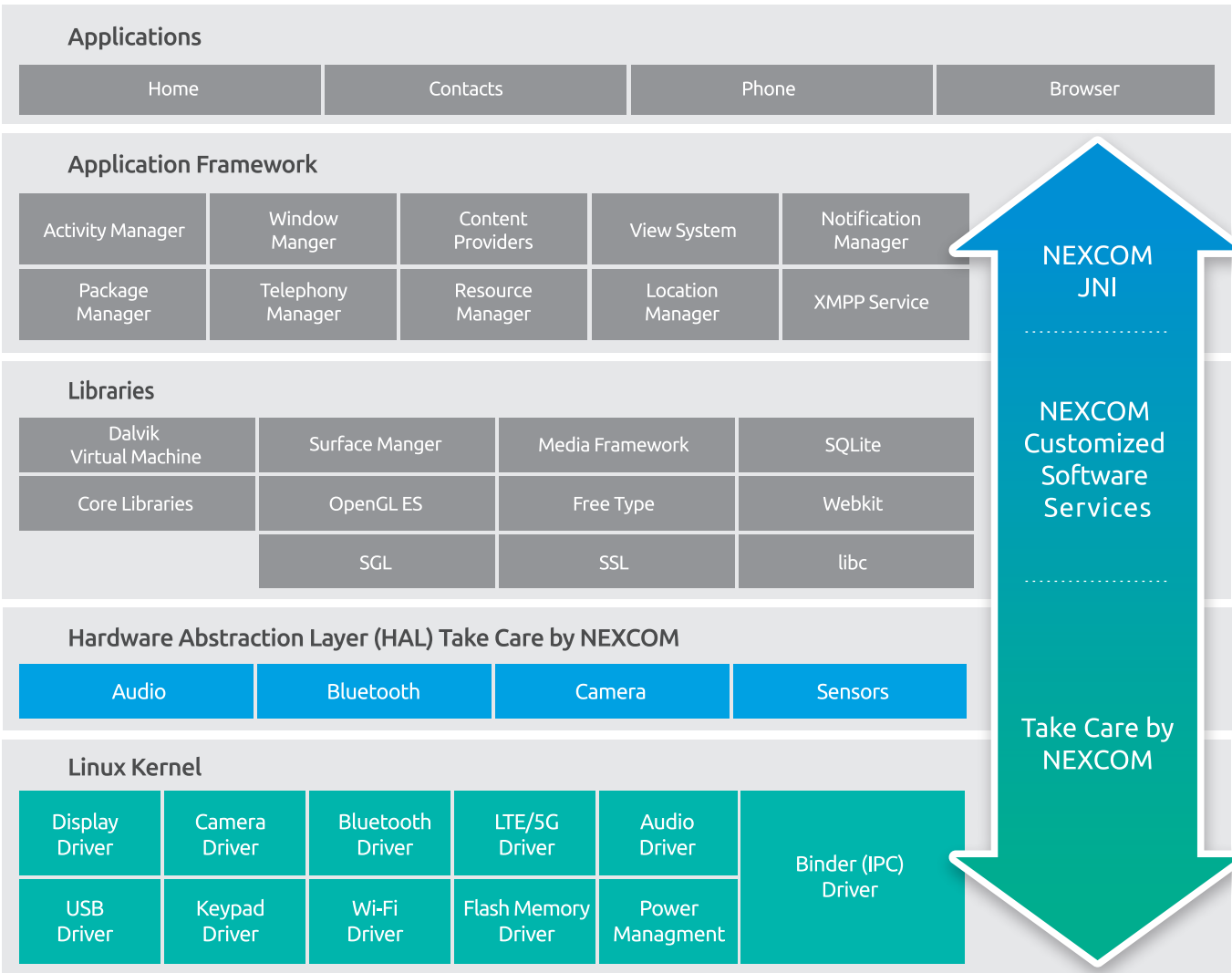
With over three decades experience of robust industrial computing, NEXCOM excels in ODM fitness consoles development. We deliver seamless hardware integration and customizable options for today's demanding fitness market. Beyond exceptional cardio console design and manufacturing services, NEXCOM's tailored software support adds unique values by guaranteeing smooth collaboration with customer's GUI and accelerating development cycles.

- Superior ARM processor Cortex-A family hardware design
 - Android/Linux OS porting service
 - Support all SDK of Android/Linux BSP, optimizing and re-designing the drivers
 - Extend Microchip (MCU) to handle power and related peripheral I/O
- Enable rich multimedia source AV decoder programming (HDMI-IN /IPTV/ TV Tuner)
 - Console system integration ready for 15.6"/21.5"/23.8"/32" display & touchscreen
 - GUI design by request

Software Service Support

GUI developer can utilize NEXCOM-designed application layer APIs to communicate with I/O devices. Simplified API commands enable control of I/O devices such as HDMI-IN, CEC data transfer, drive system RPM, and E-stop. The following functional blocks and services are ready for development, but not limited to.

Android Porting & Customized Modules Design



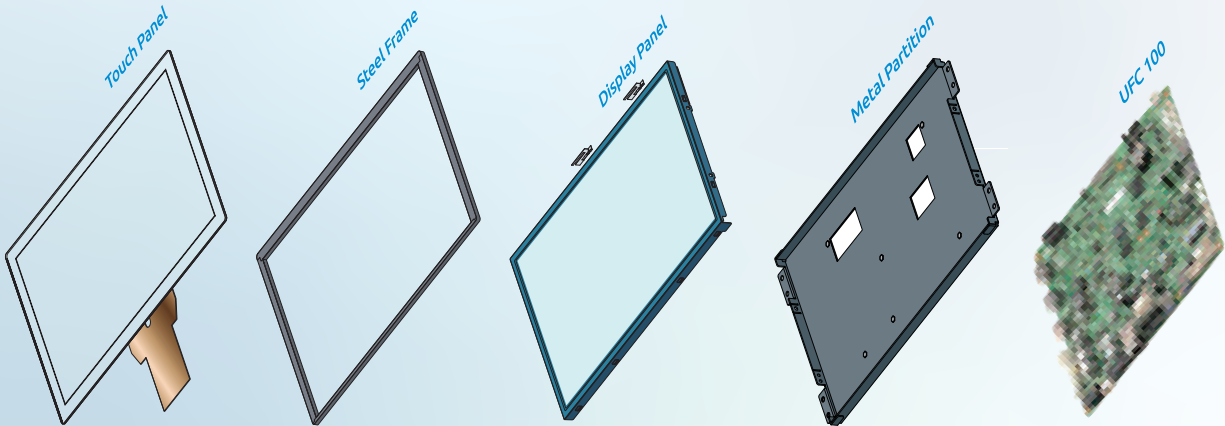
Fitness Console Controller

Product Overview

NEXCOM offers a complete suite of service , including custom mechanical design, pre-installed operating systems and GUIs, final console system integration, and rigorous function validation. Our offering of industrial-grade LCDs and touchscreens ranges from 16 to 32 inches. Customers can choose optical bonding solution, which increases durability, reduces glare, and eliminates condensation. By simplifying the integration process, our streamlined UFC 100 console controller mechanical design makes it a breeze to install the touchscreen into your chosen enclosure. In addition, easy access to every peripheral keep maintenance costs down with this design. The UFC 100 is tailored for fitness equipment developers aiming to effectively build GUI and application software.

Main Features

- Built in NXP i.MX 8M Quad low-power processor up to 1.5GHz
 - Dual-display support via HDMI-OUT 2.0 and LVDS with resolutions up to 1920 x 1080.
 - Ten UART ports, safety key, multiple USB ports (OTG and USB 3.0) , 5VC/2.1A charging support (MFI compliant).
- Audio plug detect, two stereo outputs, and two HDMI-IN ports for various media sources
 - Expansion modules available such as Wi-Fi/BT, Qi wireless charging, NFC, ANT+, and TV tuner modules
 - Ubuntu20.04, Android 9.1 or above compatible



Specifications

CPU	NXP i.MX 8M Quad processor with 1.5 GHz frequency Quad Arm Cortex®-A53 core and Cortex-M4	1 x FAN connector (12V) 1 x Safety key connector 1 x Qi 12V connector 2 x HDMI-IN 1.4 1 x Recovery button 2 x I2C 10 x UART port 1 x Power connector 2 x Head phone connector 1 x M.2 2230 for Wi-Fi/BT (SDIO 3.0)
Memory	LPDDR4 3GB	Environment
Storage	eMMC 32GB	
Display Interface	LVDS dual channel HDMI	Power Requirement
Ethernet	1 x RJ45 Gigabit LAN with LED	
Wireless	Wi-Fi 802.11 a/b/g/n/ac Bluetooth 5.0	Software Support
USB Port	1 x OTG USB 2.0 Micro USB (data only) 1 x USB 3.0 Type A (5VDC/2.1A) 3 x USB 3.0 Type A (5VDC/1A) 1 x USB 2.0 pin header	
Audio	2 x Stereo outputs and plug detect 32Ohm, 40mw, 5V Max load	Display Size
Other I/O Connector	1 x Micro SD slot 1 x Speaker connector	
		Resolution
		1366 x 768, up to 1920 x 1080