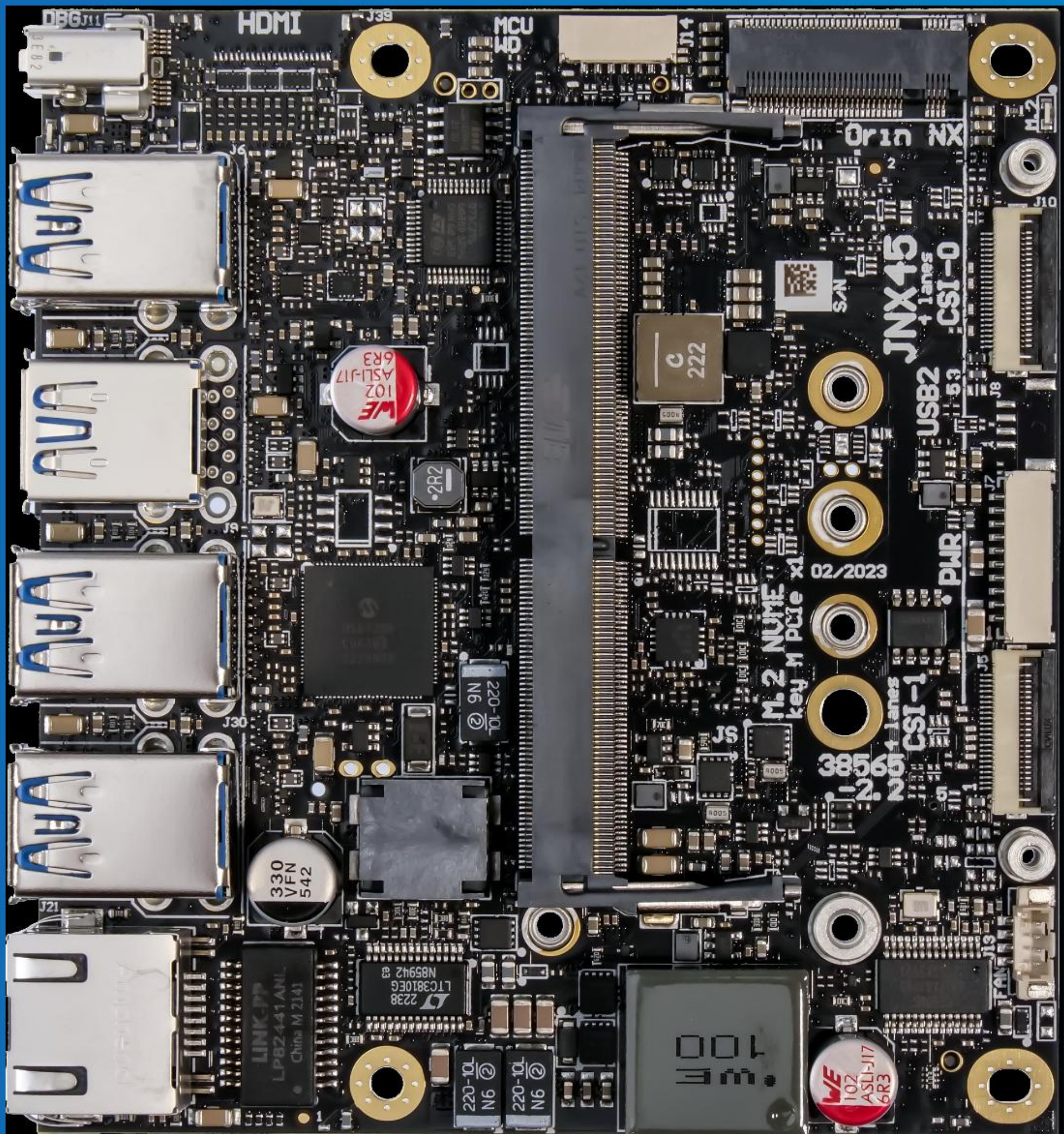


CARRIER BOARDS

JNX45

The JNX45 is a compact carrier board for the NVIDIA Jetson Orin Nano and the NVIDIA Jetson Orin NX. It is based on the JNX42 and expands its functionality. The board features 7 USB 3.0 ports, integrated power monitoring, and MCU-based system management for advanced control and diagnostic functions.



JETSON ORIN/NANO NX



7 x USB 3.0



DESIGNED IN GERMANY

TECHNICAL SPECIFICATIONS

ETHERNET	1 x 1GbE
USB 3.x PORTS	7 x (2 + 5 HUB)
USB 2.0	1× intern JST-GH
CSI_2 PORTS	2 x 4-Lane
M.2 KEY M NVMe	2× M.2 Key M (PCIe x4 primär + PCIe x1 Backup-Boot)
M.2 KEY E (WIFI / GPS)	✓
M.2KEY B (LTE)	✓
PCIe EXPANSION	x1 FPC
HDMI	1 x 2.0 (4kp60)
CAN	1 x
UART	1 x
I2C / I2S / SPI	3× (3.3V) / 1× (1.8V) / 1× (1.8V)
SIM CARD	2 x Nano
MCU / WATCHDOG	1 x
CRYPTO CHIP	opt.
AUTOFLASHING	no
RTC BATTERY	opt.
WIFI ONBOARD	opt.
SIZE	80mm x 104,6mm
POWER SUPPLY	12V - 24V