

Product Comparison - LPC-84x vs LPC-87x		
	LPC-840/845 (WT)	LPC-870/875 (WT)
Fanless Chassis	✓	✓
CPU Generation	10th Gen	10th Gen
Intel Core i5/i7	✓	✓
Intel Core i9	TBD	✓
Intel Xeon	x	✓
Max. Memory Supported	64GB DDR4 non-ECC	64GB DDR4 / optional ECC
Internal Drive Bays	1	1
Removable Drive Bays	1	2
RAID Options	0,1,5	0,1,5
BIOS	AMI 256Mbit SPI BIOS	AMI 256Mbit SPI BIOS
Chipset	Intel Q470E Express	Intel W480E
Video Chipset	Intel HD Graphics 630	Intel UHD Graphics 630
Display Ports	3 x DP (1 x co-layout with HDMI)	1 x DVI-I, 2 x DP
Video Resolutions Supported	4K, 1080p	4K, 1080p
mPCIe	1	2
Onboard LAN (standard)	1 x GB, 1 x 2.5Gb	2 x 10/100/1000Base-T
WiFi	Optional	Optional
TPM	TPM 2.0	TPM 2.0
RS232 Serial Ports (standard)	5	4
USB 3.2	6 x 3.2 Gen 2	6 x 3.2 Gen 2, 2 x 3.2 Gen 1
SIM Slots (standard)	2 @ 4G	2 @ 4G
Audio (standard)	HD Audio CODEC ALC888S	HD Audio CODEC ALC888S
Digital I/O	8 x inputs, 8 x outputs	8 x inputs, 8 x outputs
Igniton / Car PC Function	✓	✓
Expansion Slots	x	Optional: 2 x PCI / 1 x PCI & 1 x PCIe x16
Expansion Bays & Options:	1	2
10/100/1000 RJ45 PoE Ports	4	4/8
RS232 Serial Ports	0	2/4
10Gb Ports	2	2/4
USB 3.0 Ports	4	4/8
5G with 2 x SIM slots	✓	✓
CAN BUS Port	Single/Dual Channel (replaces 1 x RS232 port)	Single/Dual Channel (replaces 1 x RS232 port)
Power Input	9-48V DC	9-48V DC
VAC Adapter included	280W	280W
Windows 11 Pro compatible	✓	✓
Dimensions	7.56"(W) x 8.94"(D) x 2.37"(H) (192mm x 227mm x 60.3mm)	Base Model: 9.44"(W) x 10.27"(D) x 3.11"(H) (240mm x 261mm x 79mm) / with Dual Expansion slots: 9.44"(W) x 10.27"(D) x 4.99"(H) (240mm x 261mm x 126.8mm)
Operating Temperature	LPC-840: 0-40 °C / 32-104 °F LPC-845: (-25)-(+70) °C / (-13)-(+158) °F	LPC-870: 0-40 °C / 32-104 °F LPC-875: (-25)-(+70) °C / (-13)-(+158) °F
UL Approved	✓	✓
CE, FCC, RoHS	✓	✓
2 Year Warranty	✓	✓