

## AP510-L2

4x GbE LAN Expansion - Networking Industrial PC

Part of the AP510 family — also available: AP510-8POE, AP510-CAN2, AP510-H1, AP510-H1B, AP510-H1BP, AP510-H7, AP510-JH2, AP510-JH2B, AP510-JH3, AP510-JH5

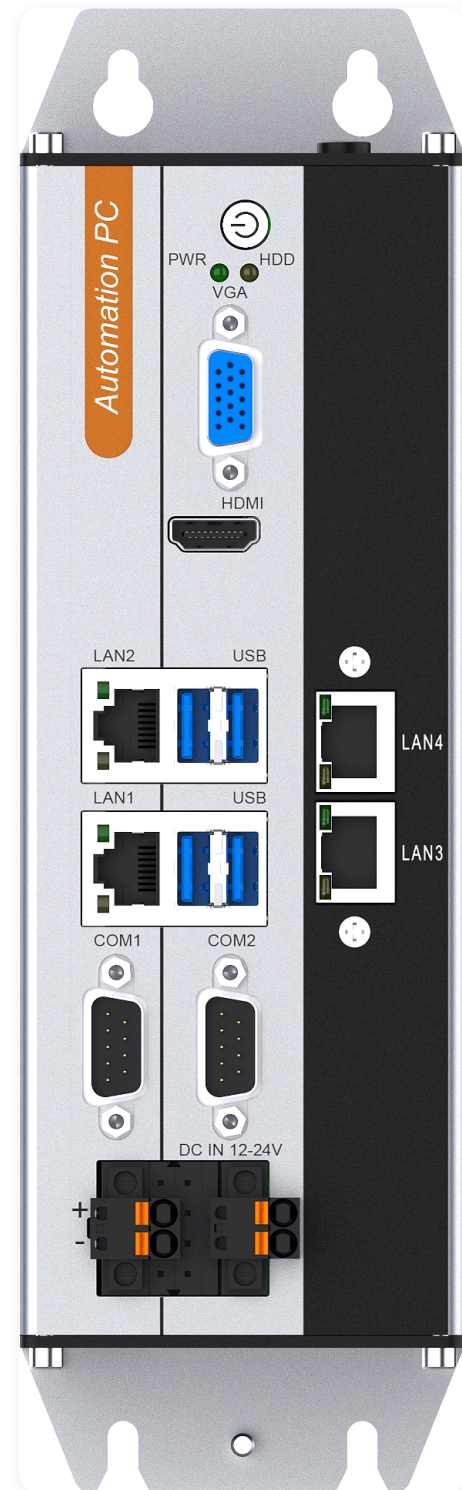
### Product Overview

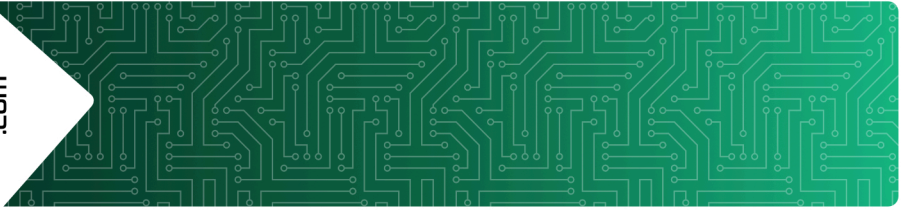
The AP510-L2 is a factory-configured AP510 with the 4x GbE LAN expansion card fitted. Four gigabit Ethernet ports (two additional, four total) for multi-subnet routing, OT/IT network segmentation, and protocol gateway applications. Separate your operational and enterprise networks without external switches.

Built on the AP510 platform with Intel 10th/11th Gen Core processors (i3 to i9), dual storage slots, and full base I/O. See the AP510 platform datasheet for complete base specifications, wireless options, and CPU compatibility.

### Product Highlights

- 2x Intel GbE additional (4 total including base)
- Multi-subnet routing and OT/IT segmentation
- Plus AP510 base I/O: 4x USB 3.0, 2x RS232/RS485, VGA/HDMI (no miniPCIe on this variant)
- Intel 10th/11th Gen Core i3/i5/i7/i9, LGA1200, up to 65W TDP
- Up to 32 GB DDR4, mSATA + M.2 SATA storage
- DC 12-24V, active cooling, -20 to 60°C
- Wall mount or DIN rail - 200 x 154.5 x 74.6 mm





## Applications

OT/IT Bridging

Multi-Subnet Gateway

Edge Router

Protocol Conversion

Network Segmentation

Firewall Appliance

## Technical Specifications

### Expansion Card I/O

**Additional Ethernet** 2x Intel GbE (4 total including base)

### Base Unit I/O (included)

**Ethernet** 2x Intel GbE LAN (4 total GbE ports with expansion)

**Display** HDMI (3840 x 2160 @ 60Hz) + VGA (1920 x 1200 @ 60Hz)

**USB** 4x USB 3.0, 1x USB 2.0 Type A (internal, for dongle)

**Expansion Slot** No miniPCIe expansion slot on this variant

**Serial** 2x COM (DB-9), RS232/RS485 selectable, ESD protected

**Watchdog** 1-255 levels programmable

### System

**Processor** Intel Core 10th/11th Gen i3/i5/i7/i9, LGA1200 socket, up to 65W TDP

**Storage** 1x mSATA + 1x M.2 (B Key, 2280) SATA

**RAM** 2x SO-DIMM DDR4, up to 32 GB

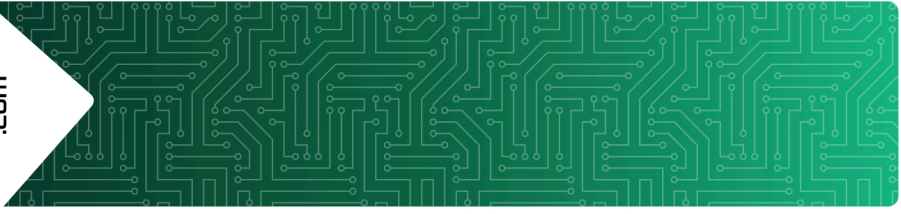
**OS Support** Windows 10/11 (Pro, IoT, LTSC), Ubuntu, Debian

### Power & Environment

**Power Input** DC 12-24V  $\pm$ 10%, overcurrent, overvoltage and polarity protection

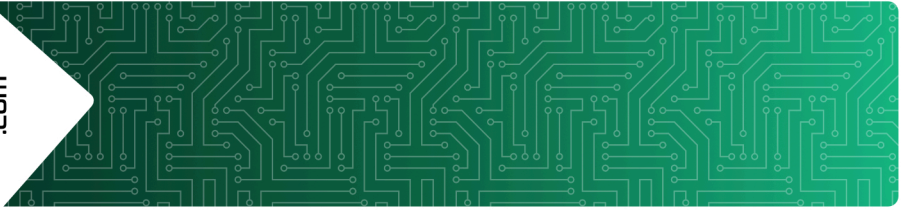
**Power Consumption** Max. 120W

**Cooling** Active cooling - embedded fan



## Technical Specifications (cont.)

<b>Operating Temperature</b>	-20°C to 60°C (-4°F to 140°F) with airflow	<b>Vibration / Shock</b>	1.5 Grms (IEC 60068-2-64) / 20G, 11ms (IEC 60068-2-27)
		<b>EMC</b>	CE / FCC Class A
<b>Chassis</b>			
<b>Dimensions</b>	200 mm (L) x 154.5 mm (W) x 74.6 mm (H)	<b>Mounting</b>	Wall mount or DIN rail
<b>Weight</b>	Approx. 2.0 kg	<b>Construction</b>	Aluminium-magnesium alloy



## Model Numbers

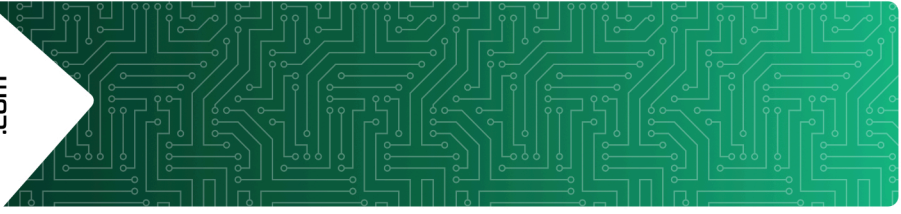
AP 5 1 X - L2

Code	Meaning
5	Modular platform (active cooling, expansion bay)
1	First generation
X	CPU class (3 = i3, 5 = i5, 7 = i7, 9 = i9)
L2	4x GbE LAN expansion card

Example: AP515-L2 = Gen 1, Core i5, 4x GbE LAN

## Ordering Information

Part Number	Description
AP513-L2	Intel Core i3 - 4x GbE LAN - multi-subnet routing, OT/IT segmentation
AP515-L2	Intel Core i5 - 4x GbE LAN - multi-subnet routing, OT/IT segmentation
AP517-L2	Intel Core i7 - 4x GbE LAN - multi-subnet routing, OT/IT segmentation



## Ordering Information (cont.)

Part Number	Description
AP519-L2	Intel Core i9 - 4x GbE LAN - multi-subnet routing, OT/IT segmentation

Specifications are subject to change without notice. E&OE.

All trademarks and product names mentioned are the property of their respective owners.

For full base platform specifications, wireless options, and CPU compatibility, refer to the AP510 platform datasheet.

© 2026 Bowmonk Ltd. Techeonix is a trading name of Bowmonk Ltd, Diamond Road, Norwich, NR6 6AW, United Kingdom.