# Product Overview

FORTEC INTEGRATED

| | | | CPU | | | | | | Memory | | | | | | | SSD | | Interfaces | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Operating Temp. | | | | * optional or Please check Datasheet and Manual |
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| Vendor | Formfactor | Product | CPU Vendor | Platform | Generation | CPU | Soldered CPU | Chipset | DDR3L | DDR4 | DDR5 | soldered onboard | SO-DIMM | DIMM-Socket | max. Size | soldered onboard | Standard SSD | Graphic | LVDS | eDP | MIPI-DSI | V-by-One | USB-C | USB 2.0 | USB 3.2 Gen1 (USB 3.0) | USB 3.2 Gen2 (USB 3.1) | USB 3.2 Gen2x2 | USB 4.0 | GbE Ethernet | 2.5 GbE Ethernet | RS232/422/485 | RS232 | UART | SATA | SATA Power | I2C or SMBus | GPIO | miniPCIe/mSATA | M.2 | Audio | HDA w. Aplifier | TPM | CAN | SPI | eSPI | SDIO | Printer (Parallel) port | PCIe x 16 | PCIe x 8 | PCIe x 4 | PCIe x 1 | PCI | DC-in | 0°...+60°C | -20°...+70°C | -25°...+80°C | -40°...+85°C | Others |
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| | | **Single-Board Computer** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | **5.25" SBC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FORTEC | 5.25 SBC | SBC NPA-2009 | Intel | Tiger Lake-U | 11th | Core i5-1145G7E, Core i3-1115G4E, Celeron 6305E | x | SoC | | x | | | x | | | x | | DP, USB-C | x | 2(4)x | | x | x | 2x | | | 3x | 2x | | * | 1x | 1x | | | | | | | 3x | x | | x | | | | | | | | | | | | 24V | | | | | |
| | | **3.5" SBC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| iBASE | 3,5" | IB838 | Intel | Alder Lake-N | | Core i3-N305, N50 | x | SoC | | | x | | x | | 16GB | | | 2x DP | x* | x* | | | x* | 2x | | | 4x | | 2x | | 1x | 3x | | 1x | x | | 8-bit | | 2x | x | x | x | | | | | | | | | | | 9-36V | x | | | | |
| iBASE | 3,5" | IB836 HOT | Intel | Elkhart Lake | | Atom x6425E, x6413E, x6211E | x | SoC | | x | | | x | | 32GB | | | 2x DP | x* | x* | | | x | 2x | | 3x | | | 3x | | 1x | 3x | | 2x | x | | 8-bit | 1x | 1x | x | x | x | | | | | | | | | | | 9-36V | x | | | x | |
| iBASE | 3,5" | IB837 | Intel | Elkhart Lake | | Celeron J6412, N6210 | x | SoC | | x | | | x | | 16GB | | | 1xDP | 2x | | | | | 2x | | 4x | | | 2x | | 1x | 5x | | 1x | x | | 8-bit | 1x | 1x | x | x | x | | | | | | | | | | | 12V | x | | | | |
| iBASE | 3,5" | IB961 HOT | Intel | Raptor Lake-P | 13th | Core™ i7-1370PE, i5-1340PE, i5-1335UE, i3-1320PE | x | SoC | | | x | | x | | 32GB | | | 2xDP | x | x | | | | 3x | | | 3x | | | 2x | 1x | 1x | | 2x | x | | 8-bit | | 3x | x | | x | | | | | | | | | | | 12-24V | x | | | | |
| iBASE | 3,5" | IB956 | Intel | Tiger Lake-H | 11th | Core™ i7-11850HE, i5-11500HE, i3-11100HE, Celeron 6600HE | x | QM580E, HM570E | | x | | | x | | 32GB | | | 2x DP, 1x USB-C | x | | | | | 2x | | 6x* | | | 2x | | 1x | 1x | | 2x | x | | x | | 2x | x | | x | | | | | | | | | | | 12-24V | x | | | | |
| iBASE | 3,5" | IB953 | Intel | Tiger Lake-U | 11th | Core™ i7-1185G7E, i5-1145G7E, i3-1115G4E, Celeron 6305E | x | SoC | | | x | | x | | 64GB | | | 2x DP | x | x | | | | 3x | | 3x | | | 2x | | 2x | | | 2x | x | | 8-bit | | 3x | x | x | x | | | | | | | | | | | 12-24V | x | | | | |
| iBASE | 3,5" | IB811 | Intel | Apollo Lake | | Atom E3950, E3940, E3930, Pentium N4200, Celeron N3350 | x | SoC | x | | | | x | | 8GB | | | DP, HDMI | x* | | | | | 2x | 4x | | | | 2x | | 1x | 3x | | 2x | x | | 8-bit | 1x | 1x | x | x | x | | | | | | | | | | | 9-36V | x | | | x | |
| iBASE | 3,5" | IB818 | Intel | Apollo Lake | | Atom E3950, E3940, E3930, J3455, Pentium N4200, Celeron N3350, J3455 | x | SoC | x | | | | x | | 8GB | | | HDMI | 2x* | | | | | 2x | 4x | | | | 2x | | 1x | 3x | | 2x | x | | 8-bit | 2x | | x | x | x | | | | | | | | | | | 12-24V | x | | | x | J3455 with "Wake on Time" |
| iBASE | 3,5" | IB919 | Intel | Wiskey Lake | 8th | Core i7-8665UE, i5-8365UE, i3-8145UE, Celeron 4305UE | x | SoC | | x | | | x | | 32GB | | | 2x DP | x | x | | | x | 2x | | 4x | | | 2x | | 1x | 3x | | 2x | x | | 8-bit | | 2x | x | x | x | | | | | | | | | | | 9-24V | x | | | | |
| ADVANTECH | 3,5" | MIO-5154 | Intel | Alder Lake-N | | Core i3-N305, N97, N50 | x | SoC | | | x | | x | | 16GB | | | HDMI, DP | x | | | | | 2x | 4x | | | | 2x | | 2x | 4x | | 1x | x | x | 8-bit | | 3x | x | | x | | | | | | | | | | | 12V | x | | | | |
| ADVANTECH | 3,5" | MIO-5152 | Intel | Elkhart Lake | | Atom x6425E, Celeron J6412, Pentium N6210 | x | SoC | | x | | | x | | 32GB | | | DP, HDMI | x | | | | | 2x | | 2x | 2x | | 2x | | 2x | 2x | | 1x | x | x | 8-bit | | 2x | x | | x | | | | | | | | | | | 12V | x | | | | |
| ADVANTECH | 3,5" | MIO-5350 | Intel | Apollo Lake | | Celeron N3350, Pentium N4200 | x | SoC | x | | | | x | | 8GB | | | HDMI, VGA | x | * | | | | 4x | 2x | | | | 2x | | 2x | 2x | | 2x* | x | x | 8-bit | 1x | 1x | x | | x | | | | | | | | | | | 12V | x | | | | MIOe, DP* |
| ADVANTECH | 3,5" | MIO-5377 | Intel | Alder Lake-P | 12th | Core i7-1270PE, i7-1265UE, i5-1245UE, i3-1215UE, Celeron 7305E | x | Soc | | | x | | x | | 64GB | | | DP, HDMI, USB-C | x | | | | x* | 2x | | | 4x | | 1x | 1x | 2x | 2x | | 1x | x | 3x | 8-bit | | 3x | | | x | 2x | | | | | | | | | | 12-24V | x | | | | |
| ADVANTECH | 3,5" | MIO-5377R | Intel | Raptor Lake-P | 13th | Core i7-1370PE, i7-1370PRE, i7-1365UE, i7-1365URE, i5-1345UE, i3-1315UE, U300E | x | Soc | | | x | | x | | 64GB | | | DP, HDMI, USB-C | x | | | | x* | 2x | | | 4x | | 1x | 1x | 2x | 2x | | 1x | x | 3x | 8-bit | | 3x | | | x | 2x | | | | | | | | | | 12-24V | x | | | | |
| ADVANTECH | 3,5" | MIO-5375 | Intel | Tiger Lake-U | 11th | Core i7-1185G7E, i7-1185G7E, i5-1145G7E, i3-1115G4E, Celeron® 6305E | x | SoC | | x | | | x | | 64GB | | | HDMI, VGA | x | * | | | | 4x | 2x | | | | 2x | | 2x | 2x | | 2x* | x | x | 8-bit | 1x | 1x | x | | x | | | | | | | | | | | 12V | x | | | x | MIOe, DP* |
| NEXCOM | 3,5" | EBC358, 3,5" SBC | Intel | Elkhart Lake | | Atom x6425E, x6211E, x6413E | x | SoC | | x | | | x | | 32GB | | | VGA, HDMI | x | | | | | 4x | | | 2x | | 2x | | 1x | 3x | | 1x | 1x | | 8-bit | 1x | 1x | x | | x | | | x | | | | | | | | 12 or 24V | x | | | | |
| | 3,5" | X100, 3,5" SBC | Intel | Apollo Lake | | Celeron J3455 | x | SoC | x | | | | x | | 8GB | | | HDMI | x | | | | | | | | | | 2x | | 1x | 1x | | | | | | 1x | 1x | x | | | | | | | | | | | | | 12 or 19V | x | | | | |
| | | **2,5" Pico-ITX** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| congatec | 2,5" | conga-PA7 HOT | Intel | Elkhart Lake | | Atom x6425E, x6413E, x6211E, x6425RE, x6414RE, x6212RE, Pentium J6426, Celeron J6413 | x | SoC | | | | x | | | | x | | DP++ | x | * | * | | USB/DP | 2x | | 2x | | | 1x | 1x | 2x | | | | | x | 8-bit | | 2x | x | | x | * | | | | | | | | | | 12V | x | | | x | |
| ADVANTECH | 2,5" | MIO-2364 | Intel | Alder Lake-N | | Core i3-N305, N97, Atom x7211E | x | SoC | | | x | | x | | 16GB | | | HDMI | x | | | | | 2x | | | 2x | | | 1x | 2x | | | 1x | x | x | 8-bit | | 2x | x | | x | | | | | | | | | | | 12V | x | | | | optional: PoE/PD or PSE Module |
| ADVANTECH | 2,5" | MIO-2363 | Intel | Elkhart Lake | | Atom x6425E, x6213E, x6211E | x | SoC | | | | x | | | | x | | HDMI | x | | | | | 2x | | 2x | | | 2x | | 2x | | | | | x | 8-bit | | 2x | x | | x | | | x | | | | | | | | 12-24V | | | | x | |
| ADVANTECH | 2,5" | MIO-2375 | Intel | Tiger Lake-U | 11th | Core i7-1185G7E, i5-1145G7E, i3-1115G4E, Celeron 6305E | x | SoC | | | | x | | | | x | | DP | | x | * | | | 2x | | | 2x | | 2x | | 1x | 1x | | 1x | x | x | 4-bit | | 2x | | | x | | | | | | | | | | | 12V | x | | | x | |
| ADVANTECH | 2,5" | MIO-2361 | Intel | Apollo Lake | | Atom E3950, E3940, E3930, Celeron N3350, Pentium N4200 | x | SoC | | | | x | | | | x | | HDMI | x | | | | | 2x | 2x | | | | 2x | | 2x | | | 1x | x | x | 16-bit | 1x | 1x | x | | x | | | | | | | | | | | 12or24V | x | | | x | |
| | | **PC/104 CPU Module** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ADVANTECH | PC/104 | PCM-3365 | Intel | Bay Trail | | Atom E3825, E3845, Celeron N2930 | x | SoC | x | | | | x | | 8GB | opt* | | VGA, HDMI/DVI | x | | | | | 6x | | | | | 1x | | 1x | 2x | | 1x | | x | 8-bit | 1x* | | x* | | | | | | | | | | | | | | x | | | x | PC/104-Plus |