ACK-5000

Compact Embedded Chassis for 3.5" SBC



Features

- 3.5" SBC chassis supports front & side I/O interfaces
- Fan-based design with optional wall-mount & DIN rail bracket
- Bottom door design for easy access on M.2 devices on 3.5" SBC
- Flexible cutouts I/O in the front & right-hand side: up to 7x D-SUB for COM/ GPIO/CANBus, 2x USB 2.0, 2x Audio Jack
- Easy assembly and maintenance with standard 3.5" SBC without customizations
- Supports Standard 3.5" SBC: MIO-5152, MIO-5377/R, MIO-5154, MIO-5354

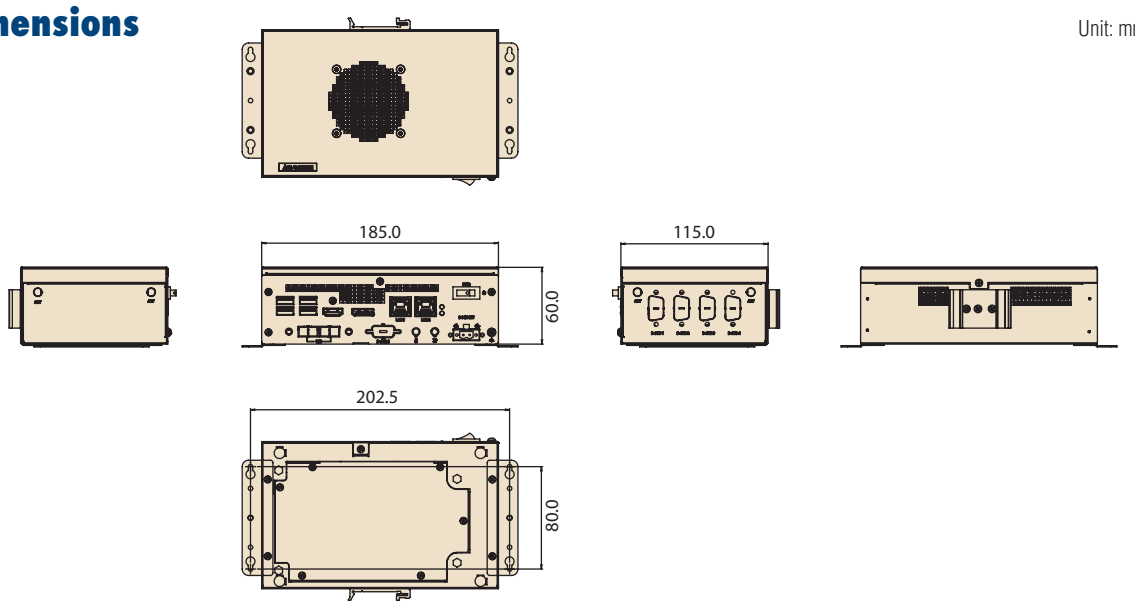
Specifications

	3.5" SBC	MIO-5152	MIO-5377/MIO-5377R	MIO-5154	MIO-5354
Front I/O from SBC	USB (type A)	4	4	4	4
	USB (type C)	-	1	-	-
	HDMI	1	1	1	1
	Display Port	1	1	1	1
	RJ-45	2	2	2	2
Front I/O with cutout openings	USB (type A)	2	-	-	-
	D-SUB9 (COM/GPIO/CANBus)	1	3	3	3
	Audio Jack	2	2	2	2
Side I/O with cutout openings	D-SUB9 (COM/GPIO/CANBus)	4	4	4	4
	Antenna	4	4	4	4
Miscellaneous	LED Indicators	2 (Power, HDD)	2 (Power, HDD)	2 (Power, HDD)	TBD
	Power Switch	1 (ATX mode)	1 (ATX mode)	1 (ATX mode)	1 (ATX mode)
	Power Input	2p Phoenix Plug	2p Phoenix Plug	2p Phoenix Plug	2p Phoenix Plug
	Power Supply Voltage	12V ± 10%	12V~24V ± 10%	12V ± 10%	12V~24V ± 10%
	Fan	60x60x10 (on Top Case)	60x60x10 (on Top Case)	60x60x10 (on Top Case)	60x60x10 (on Top Case)
	Mounting bracket (*Optioanl)	Wall-mount, DIN Rail	Wall-mount, DIN Rail	Wall-mount, DIN Rail	Wall-mount, DIN Rail
Environments	Temperature	Operating: 0 ~ 60° C (32 ~ 140° F) Storage: -40 ~ 85 °C (-40 ~ 185 °F)	Operating: 0 ~ 60° C (32 ~ 140° F) for TDP 15W SKU ; 0~50° C (32 ~ 122° F) for TDP 28W SKU Storage: -40 ~ 85 °C (-40 ~ 185 °F)	Operating: 0 ~ 60° C (32 ~ 140° F) Storage: -40 ~ 85 °C (-40 ~ 185 °F)	Operating: 0 ~ 60° C (32 ~ 140° F) Storage: -40 ~ 85 °C (-40 ~ 185 °F)
	Humidity	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95% relative humidity, non-condensing	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95% relative humidity, non-condensing	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95% relative humidity, non-condensing	Operating: 40° C @ 95% relative humidity, non-condensing Storage: 60° C @ 95% relative humidity, non-condensing
	Vibration	3.0 Grms	3.0 Grms	3.0 Grms	3.0 Grms
Physical Characteristics	Dimensions (W x H x D)	185 x 115 x 60 mm	185 x 115 x 60 mm	185 x 115 x 60 mm	185 x 115 x 60 mm

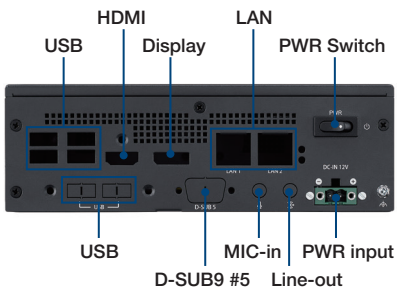
All product specifications are subject to change without notice.
Last updated: 11-Feb-2026

Dimensions

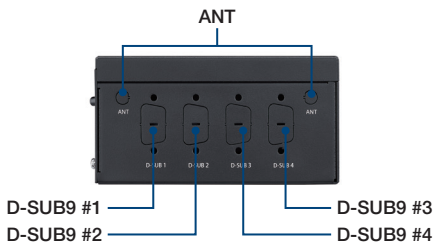
Unit: mm [inch]



Front Panel External I/O Mechanical Layout/Drawing



Side Panel External I/O mechanical Layout/ Drawing



Ordering Information

Part Number	Compatible 3.5" SBC	System Fan	I/O Cables	Suggested Thermal solution for SBC *Not Included in AKC-5000
ACK-5152C-00A1	MIO-5152	Yes	N/A	Passive Heatsink: 1970005053T011 for Celeron or 1970005053T001 for x6000E
ACK-5152FC-00A1	MIO-5152	Yes	5x COM, 1x Dual USB, 1x Dual Audio Jack	Passive Heatsink: 1970005053T011 for Celeron or 1970005053T001 for x6000E
ACK-5377C-00A1	MIO-5377/MIO-5377R	Yes	N/A	Passive Heatsink: 1970005973T001 (*TDP 28 CPU SKU only support 0~50C)
ACK-5377FC-00A1	MIO-5377/MIO-5377R	Yes	4x COM, 2x CAN Bus, 1x GPIO, 1x Dual Audio Jack	Passive Heatsink: 1970005973T001 (*TDP 28 CPU SKU only support 0~50C)

Packing List

Part No.	Description	Quantity
	ACK-5000 chassis with I/O cable pre-assembled	1
	Screw Kit	1

Optional Thermal Solutions

Part No.	Description
1970005053T011	MIO-5152 Std. Heatsink for Celeron series
1970005053T001	MIO-5152 Std. Heatsink for x6000E series
1970005973T001	Optional Heatsink for MIO-5377/MIO-5377R

Optional Accessories

Part No.	Description
96PSA-A60W12P2-3	Adapter 60W 12V, TERMINAL BLOCK 2PIN
96PSA-A120W24T2-4	Adapter 120W 24V, CORD END
1652005203	CORD END to 2PIN TERMINAL BLOCK
1702002600-01	Power cable 3-pin 183 cm, USA type
1700018704	Power cable 3-pin 180 cm, UK type
1702002605	Power cable 3-pin 183 cm, Europe type
1700000237-01	Power cable 3-pin 183 cm, PSE type
1960083757N002	Wall-Mount Bracket (2pcs per system)
1960015198T011	DIN-Rail Bracket
170P000020-01	Dual USB 2.0 Cable
170P000026-01	COM Port Cable
170P000019-01	Dual Audio Jack Cable

Online Download www.advantech.com/products

Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.

IPC AutoCont

AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

Uhlířská 1064/3, 710 00 Ostrava, Česká republika

obchod@autocont-ipc.cz +420 733 688 944 www.autocont-ipc.cz

PRŮMYSLOVÉ POČÍTAČE *fanless embedded PC, do racku, ...*

POČÍTAČE S DISPLEJEM *panelové PC, terminály, do vozidel, ...*

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DOPRAVA ZDARMA
Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.

PRODLOUŽENÁ ZÁRUKA
Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.

ODMĚNA ZA VĚRNOST
Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obratu.

SERVIS ON-SITE A IN-TIME
K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.