Selection Guide-A Series

Product Picture			FEMALE					
Product Name		Genius A10	Genius A10	Genius A10	Genius精灵 A20			
Order number		A10-AXXX	A10-CXXX	A10-GXXX	A20-FXXX			
Color		Genius Grey						
Operating System		Windows 7, Windows 10, Ubuntu, etc.						
Processor		Intel Celeron J1900 2.0GHz, can up to 2.42GHz, 2M Cache, TDP						
RAM		Support DDR3 1333MHz Up to 8GB (one slot), 4GB(default)						
SSD&HDD		1 x 2.5" SATAIII HDD&SSD + M.2 (2280 SATA) 64G ,128G ,250G, 500G SSD (Optional)						
		Intel HD Graphics 3000; Double display: 1x VGA, 1x HDMI, 1920*1080@60Hz (A10)						
Diplu	y (Optional)	Intel HD Graphics 3000,1x HDMI, 1920*1080@60Hz (A20)						
Ethernet (Optional)		LAN1/2: Intel i211 10/100/1000Mbps, Support internet wake up. LAN1/2: Intel i211 10/100/1000Mbps, Support internet wake up. (optional) LAN3/4: Intel i210 10/100/1000Mbps						
1/0	СОМ	optional: 3 x COM, 6 x COM	, 10 x COM(COM1/2 3KV isolated	l, can set up to RS-232/485 by BIC	DS, COM3~COM10: RS-232)			
inter -face	USB	1 x USB3.0, 5 x USB2.0(insid	de one)					
	GPIO	8 bit GPIO(10 x COM exc	ept)					
	on/off	remote switch	physical switch	remote switch	remote switch			
physical switch		1 x overall length Mini PCle slot; Nano SIM card slot, can install & dismantle 4G card.						
Audio		1 x Mic +1 x Line Out						
	interface	Threaded aviation head	Threaded aviation head	Threaded aviation head	Threaded aviation head			
Power	Power-on self-start	support Power-on self-start, accidental power failure self-recovery						
supply	Voltage	+9-28VDC(support Overcurrent, overload and short-circuit protection.)						
	power adapter	220VAC input 12V/5Aoutput power adapter(optional)						
	power line	1 x 2M Airline Head DC Power Cable						
		2500mAH Li-ion battery, can work continuously for 45 minutes after power off at 25°C ambient temperature (optional)						
Backup UP\$		-	-	-	Optional			
Temperature monitoring		CPU temperature and external	ambient temperature are monitored	in real time, the temperature limit LEI	O flashes as an alarm (optional)			
Power Consumption		Maximum Power Consumption 12W						
Cooling method		Fanless, integrated die-cast aluminum cooling						
Mount -ing	Embedded	√	~	✓	✓			
	Wall Mount	√	√	✓	√			
	Rail Mounted	×	×	✓	×			
Dimensions		173(W) x 52(H) x 121(D)mm (See P17~18 for I/O port and dimensional installation diagrams)						
Net weight		1.2Kg						
Electromagnetic compatibility Operating environmen Storage temperature		IEC60068-2-64						
		-20~60°C(Optional SSD), 0~40°C(2.5″ laptop HDD)						
		-30~70℃						
Vibrations		Half sine wave 3g, 11ms, 3 shock per axis						
Authentication		CE, FCC						

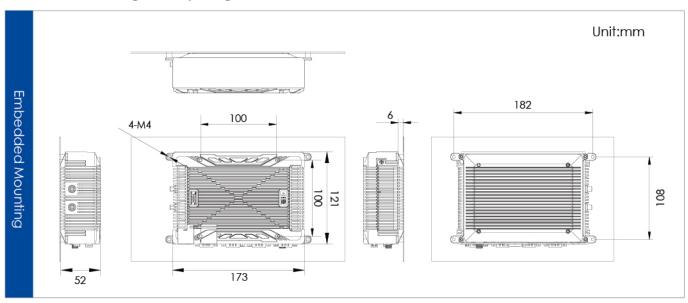
Selection Guide-P Series

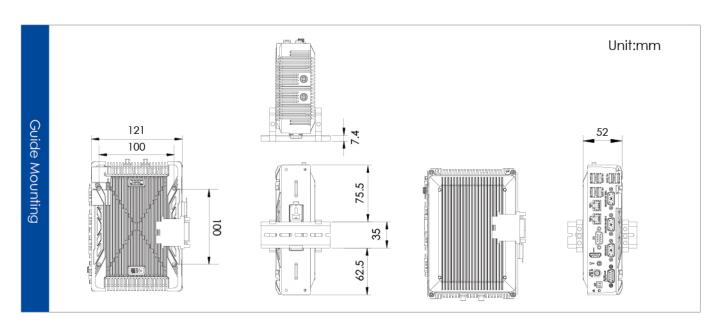
Color Carbon P10-AXXX	icture				Egrabia pj. , a		
Color Genius Grey Coeding System Windows 7, Windows 10, Ubuntu, etc. Intel® 7m Core® 17 7500U 2,7GHz, can up to 3,5GHz,4M Cache, TDP 15W Intel® 7m Core® 157 7500U 2,7GHz, can up to 3,1GHz,3M Cache, TDP 15W Intel® 7m Core® 157 200U 2,5GHz, can up to 3,1GHz,3M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, can up to 3,1GHz,3M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, can up to 3,1GHz,3M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, can up to 2,8GHz,3M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, can up to 2,8GHz,3M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, 2M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, 2M Cache, TDP 15W Intel® 7m Core® 15 200U 2,5GHz, 2M Cache, TDP 15W Intel® Celeron 3855U 1,6GHz, 2M Cache, TDP 10W Support DDR4 2400MHz Up to 16GB (1 RAM slot) 1 x 2,5° SATAIII HDDR5SD + Mz. (2280 SATA) 64G,128G,250G,500G SSD (Optional) Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenG	ame (Genius P10	Genius P10	Genius P10	Genius P20		
Nindows 7, Windows 10, Ubuntu, etc. Intel® 7th Core™ 17 7500U 2,7 GHz, can up to 3,5 GHz, 4M Cache, TDP 15W Intel® 7th Core™ 17 7500U 2,7 GHz, can up to 3,5 GHz, 4M Cache, TDP 15W Intel® 7th Core™ 17 7500U 2,5 GHz, can up to 3,1 GHz, 4M Cache, TDP 15W Intel® 7th Core™ 15 7500U 2,5 GHz, can up to 3,1 GHz, 4M Cache, TDP 15W Intel® 6th Core™ 15 6200U 2,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 2,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 2,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 2,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 2,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 6200U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 620U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 6th Core™ 15 600U 3,5 GHz, can up to 2,8 GHz, 3M Cache, TDP 15W Intel® 12 In	nber F	P10-AXXX	P10-CXXX	P10-EXXX	P20-DXXX		
Intel® 7m Core™ 17 7500U 2.7GHz, can up to 3.5GHz.4M Cache, TDP 15W Intel® 7m Core™ 15 7200U 2.7GHz, can up to 3.5GHz.4M Cache, TDP 15W Intel® 7m Core™ 15 7200U 2.5GHz, can up to 3.1GHz.3M Cache, TDP 15W Intel® 6m Core™ 15 6200U 2.3GHz, can up to 2.8GHz.3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 6100U 2.3GHz, 3M Cache, TDP 15W Intel® 6m Core™ 15 610U 2.3GHz, 3M Cache, TDP 15W Intel® 6m	Genius	Genius Grey					
Intel® 7th Core Mis 15 7200U 2.5GHz, can up to 3.1GHz 3M Cacche, TDP 15W Intel® 6th Core Mis 15 8200U 2.5GHz, can up to 3.1GHz 3M Cacche, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, can up to 2.8GHz, 3M Cacche, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 6th Core Mis 15 8200U 2.3GHz, 3M Cache, TDP 15W Intel® 15 8200U 2.3GHz, 3M Cache, TDP 15 820U 2.3GHz, 3M Cache, TDP 15 82	System Windo	Windows 7, Windows 10, Ubuntu, etc.					
SIDAHDO Optional 1 x 2.5" SATAIII HDD&SSD + M.2 (2280 SATA) 64G, 128G, 250G, 500G SSD (Optional)	Intel® 7 Intel® 6 Intel® 6 Intel® 6	Intel® 7 th Core TM i5 7200U 2.5GHz, can up to 3.1GHz,3M Cache, TDP 15W Intel® 6 th Core TM i7 6500U 2.5GHz, can up to 3.1GHz,4M Cache, TDP 15W Intel® 6 th Core TM i5 6200U 2.3GHz, can up to 2.8GHz,3M Cache, TDP 15W Intel® 6 th Core TM i3 6100U 2.3GHz, 3M Cache, TDP 15W					
Intel HD Graphics 620, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (Intel HD Graphics 520, DirectX12, OpenGL 4.5, 1x HDMI, 4096*2304@60Hz (P20) LAN1: Intel I219LM 10/100/1000Mbps, Support Internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. COM Optional: 3x COM, 6x COM, 10x COM(COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3~COM1/2 3KV	Suppo	Support DDR4 2400MHz Up to 16GB (1 RAM slot)					
Intel HD Graphics 520, DirectX12, OpenGL 4.5, 1x HDMI, 4096*2304@60Hz (P20) LAN1: Intel i219LM 10/100/1000Mbps, Support internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN1: Intel i219LM 11 LAN2/3/4: Intel i210 Optional: 3 x COM, 6 x COM, 10 x COM(COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3~COM10	(Optional) 1 x 2.5'	1 x 2.5" SATAIII HDD&SSD + M.2 (2280 SATA) 64G ,128G ,250G, 500G SSD (Optional)					
Ethemet (Optional) LAN1: Intel I219LM 10/100/1000Mbps, Support Internet wake up. LAN1: Intel I219LM 10/100/1000Mbps, Support Internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN1: Intel i219LM 1LAN2: Intel i210 LAN2: Intel i210	Intel Hi	Intel HD Graphics 620, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz (P10)					
LAN2; Intel i210 10/100/1000/Nbbps, Support EtherCAT agreement and internet wake up. LAN2/3/4: Intel i210 COM Optional: 3 x COM, 6 x COM, 10 x COM(COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3-COM1/2 isolated, can set up to RS-232/485 by BIOS, COM3-COM1							
Optional: 4 x USB3.0, 2 x USB2.0; 4 x USB3.0, 3 x USB2.0 (1 inside); 4 x USB3.0, 4 x USB3.0, 5 x USB2.0 (1 inside) (1 ins	Optional)						
Interface on/off remote switch	Option	Optional: 3 x COM, 6 x COM, 10 x COM(COM1/2 3KV isolated, can set up to RS-232/485 by BIOS, COM3~COM10: RS-232)					
Fower consumption CPIO 8 bit GPIO(10 x COM except) remote switch remot	B Option	Optional: 4 x USB3.0, 2 x USB2.0 ; 4 x USB3.0, 3 x USB2.0 (1inside); 4 x USB3.0, 4 x USB2.0 ;4 x USB3.0, 5 x USB2.0 (1inside)					
Power capter power line Backup UPS Cooling method Cooling method Audio 1 x overall length Mini PCle slot; Nano SIM card slot, can install & dismantle 4G card. 1 x Mic +1 x Line Out Threaded aviation head Threaded a	8 bit GF	8 bit GPIO(10 x COM except)					
Audio 1 x Mic +1 x Line Out	/off re	emote switch	remote switch	remote switch	remote switch		
interface Threaded aviation head Threaded Threaded aviation head Threaded aviation head Threaded aviation head Threaded aviation head Threaded Threaded aviation head Threaded Threaded Threaded aviation head Threaded Threaded Threaded Threaded aviation head Threaded Threade	witch 1 x ove	1 x overall length Mini PCle slot; Nano SIM card slot, can install & dismantle 4G card.					
Power self-start supply voltage	1 x Mic	1 x Mic +1 x Line Out					
Supply Self-start Supply	terface Threade	ed aviation head	Threaded aviation head	Threaded aviation head	Threaded aviation head		
Power Consumption Cooling method Embedded Mount in Mounted Power Rail Mounted Power Ine power Ine power Cisupport Overcurrent, overladed and short-circuit protection.) 220VAC input 12V/5A output power adapter (optional) 1 x 2M Airline Head DC Power Cable 2500mAH Li-ion battery, can work continuously for 30 minutes after power off at 25°C ambient temperature (optional) - Optional - Optional CPU temperature and external ambient temperature are monitored in real time, the temperature limit LED flashes as an alarm Maximum Power Consumption 30W (i7 7500U CPU/ 8G Memory) Fanless, integrated die-cast aluminum cooling; integrated die-cast aluminum and copper tube cooling (i5 and V V V V V V V V V V V V V V V V V V V		support Power-on self-start, accidental power failure self-recovery					
Description Cooling method Embedded Cooling method Cooling metho	oltage +9-28V	+9-28VDC(support Overcurrent, overload and short-circuit protection.)					
2500mAH Li-ion battery, can work continuously for 30 minutes after power off at 25°C ambient temperature (optional remperature of the temperature		220VAC input 12V/5A output power adapter (optional)					
Fanless, integrated die-cast aluminum cooling; integrated die-cast aluminum and copper tube cooling (i5 and wall Mount fing Mall Mount All Mount Rail Mounted X X X X X X X X X X X X X X X X X X X	ower line 1 x 2M	1 x 2M Airline Head DC Power Cable					
Temperature monitoring CPU temperature and external ambient temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount ing method Embedded V V V Wall Mount Rail Mounted CPU temperature and external ambient temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature limit LED flashes as an alarm Mount in temperature are monitored in real time, the temperature are monitored		2500mAH Li-ion battery, can work continuously for 30 minutes after power off at 25℃ ambient temperature (optional)					
Power Consumption Cooling method Maximum Power Consumption 30W (i7 7500U CPU/ 8G Memory) Fanless, integrated die-cast aluminum cooling; integrated die-cast aluminum and copper tube cooling (i5 and wall Mount with the cooling wall Mount with the cooling wall Mount with the cooling wall membedded wall membedded with the cooling wall membedded wall wall Mount with the cooling wall membedded wall membedded with the cooling wall membedded	PS	-	Optional	1-1	Optional		
Cooling method Fanless, integrated die-cast aluminum cooling; integrated die-cast aluminum and copper tube cooling (i5 and Mount ing Wall Mount		CPU temperature and external ambient temperature are monitored in real time, the temperature limit LED flashes as an alarm (optional)					
Mount -ing Embedded V V V Wall Mount Rail Mounted X X X X	ion Maxim	Maximum Power Consumption 30W (i7 7500U CPU/8G Memory)					
Mount	nethod Fanless	Fanless, integrated die-cast aluminum cooling; integrated die-cast aluminum and copper tube cooling (i5 and above)					
Ing Wall Mount ✓ ✓ ✓ ✓ Rail Mounted × × × ✓ ×	nbedded	√	✓	√	✓		
Rail Mounted A	all Mount	√	√	√	✓		
Dimensions 173(W) x 52(H) x 121(D)mm (See P17~18 for I/O part and dimensional installation diagrams)	il Mounted	×	×	√	×		
TOTAL ASSETT A 12 TOTAL 1900 FT TOTAL A GITTER BIOLIGITER GOLDEN	173(W)	173(W) x 52(H) x 121(D)mm (See P17~18 for I/O port and dimensional installation diagrams)					
Net weight 1.2Kg	1.2Kg	1.2Kg					
Electromagnetic compatibility IEC60068-2-64	ignetic IEC600	IEC60068-2-64					
Operating environmen -20~60°C (Optional SSD), 0~40°C (2.5" laptop HDD)	20-40	-20~60°C (Optional SSD), 0~40°C (2.5" laptop HDD)					
Storage temperature -30~70°C	20. 70						
Vibrations Half sine wave 3g, 11ms, 3 shock per axis							
Authentication CE, FCC							

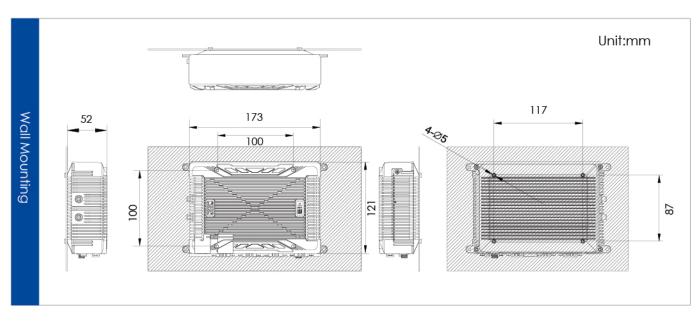
Selection Guide-S Series

Product Picture		E COMPANY OF THE PARTY OF THE P						
Product Name		Genius \$10	Genius \$10	Genius \$10	Genius S20			
Order number		S10-AXXX	S10-CXXX	S10-EXXX	S20-DXXX			
Color		Genius Grey						
Operating System		Windows 10, Ubuntu, etc.						
		Intel® 8th Core™ i7 8565U/8665U 1.8/1.9GHz, can up to 4.6/4.8GHz, 8M Cache, TDP 15W Intel® 8th Core™ i5 8265U 1.6GHz, can up to 3.9GHz,6M Cache, TDP 15W Intel® 8th Core™ i3 8145U 2.1GHz, can up to 3.9GHz,4M Cache, TDP 15W Intel® Celeron J4205U/4305U 1.8/2.2GHz, TDP 15W						
RAM		Support DDR4 2400MHz Up to 16GB (1 RAM slot)						
SSD&H	HDD(Optional)	1 x 2.5" SATAIII HDD&SSD + M.2 (2280 SATA) 64G ,128G ,250G, 500G SSD (Optional)						
Display (Optional)		Intel HD Graphics 620, DirectX12, OpenGL 4.5, Double display: 1x VGA, 1x HDMI, 4096*2304@60Hz						
Dispid	ly (Optional)	Intel HD Graphics 620, DirectX12, OpenGL 4.5, 1x HDMI, 4096*2304@60Hz (\$20)						
Ethernet (Optional)		LAN1: Intel i219LM 10/100/1000Mbps, Support internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up. LAN2: Intel i210 10/100/1000Mbps, Support EtherCAT agreement and internet wake up.						
	СОМ	Optional: 3 x COM, 6 x COM	n, 10 x COM(COM1/2 3KV isolated	I, can set up to RS-232/485 by BIG	OS, COM3~COM10; RS-232)			
I/O inter	USB	Optional: 4 x USB3.0, 2 x USB2.0 ; 4 x USB3.0, 3 x USB2.0 (1inside); 4 x USB3.0, 4 x USB2.0 ; 4 x USB3.0, 5 x USB2.0 (1inside)						
-face	GPIO	8 bit GPIO(10 x COM except)						
	on/off	remote switch	remote switch	remote switch	remote switch			
physical switch		1 x overall length Mini PCle slot; Nano SIM card slot, can install & dismantle 4G card.						
Audio		1 x Mic +1 x Line Out						
Power supply	interface	Threaded aviation head	Threaded aviation head	Threaded aviation head	Threaded aviation head			
	Power-on self-start	support Power-on self-start,accidental power failure self-recovery						
	Voltage	+9-28VDC(support Overcurrent, overload and short-circuit protection.)						
	power adapter	220VAC input 12V/5A output power						
	power line	1 x 2M Airline Head DC Power Cable						
		2500mAH Li-ion battery, can work continuously for 30 minutes after power off at 25°C ambient temperature (optional)						
Backup UPS		-	Optional	-	Optional			
Temperature monitoring		CPU temperature and external ambient temperature are monitored in real time, the temperature limit LED flashes as an alarm (optional)						
Power Consumption		Maximum Power Consumption 35W (i7 8565U CPU/ 8G Memory)						
Cooling method		Fanless, integrated die-cast aluminum cooling; integrated die-cast aluminum and copper tube cooling (i5 and above)						
Mount -ing	Embedded	√	✓	√	✓			
	Wall Mount	√	√	√	√			
	Rail Mounted	×	×	√	×			
Dimensions		173(W) x 52(H) x 121(D)mm (See P17~18 for I/O port and dimensional installation diagrams)						
Net weight		1.2Kg						
Electromagnetic compatibility		IEC60068-2-64						
Operating environmen		-20~60°C (Optional SSD), 0~40°C (2.5" laptop HDD)						
Storage temperature		-30~70℃						
vibrations		Half sine wave 3g, 11ms, 3 shock per axis						
Authentication		CE, FCC						
- Industrial		Nilse W I I I I I I I I I I I I I I I I I I						

Dimensional Installation Diagrams - Accessories







7 reasons to choose Genius

Modular computing platforms

Genius series CPU adopts modular design, can be flexibly equipped with Intel 8^{th} Whiskey LakeU Core i7/i5/i3, $6^{th}/7^{th}$ SkyLakeU, Kaby LakeU Core i7/i5/i3, Celeron J1900 computing platform, quickly meet your personalized needs, and the fixed size of the same, reduce the engineer's workload due to different structures to increase, saving your valuable time!



Modular I/O, multi-port, multi-serial, customizable

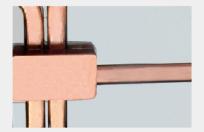
Modular I/O design to quickly realize your needs in different application scenarios, up to 4-6 web ports in Camera communication, control by EtherCAT, up to 10 RS-232/485 device communication, GPIO and CAN can flexible configuration so that to build your solution.



Heat dissipation by copper tubes and die-cast aluminum

Achieving fanlessness in a limited space is an industry dilemma and challenge. Based on years of fanless data, by more than 10 kinds of CPU power consumption calculation and heat dissipation simulation models, for you we make Genius, which is compact and sturdy, via copper tubes and die-cast aluminum to achieve heat dissipation, achieve stable and reliable high-performance computing in a compact space.







No cables, more reliable

We adopt physical interface connection without cables, minimizes the effects of vibration, move, transportation and poor cable contact on device communication, this ensures a more reliable and efficient production of the equipment.



Unique single-side interface, modular installation

We provide unique single-side interface and multiple installations, it will be easier to install the host in the compact space and more convenience to debug , compared with traditional two side interface host. Our host can use embedded and rail mount, so Genius in the human machine control system and AGV and machine vision has outstanding advantages.





Trouble-free with localized upgrades Data wireless networking

Genius series has the feature of extractable hard disk, which provides users with the option to upgrade the capacity of the hard disk by themselves, and at the same time, it is convenient for users to localize the operation and maintenance, greatly reducing the time and cost of equipment maintenance.

With the advent of the Internet of Things (IoT) era, the Pixie series can help industrial IoT and intelligent factories realize the value of big data through local edge computing and wireless networking with 4G, WiFi, Bluetooth and other data.

UPS battery to prevent data loss

Genius Series can be optional UPS battery management, emergency power supply time of up to 30 minutes at room temperature, especially in outdoor or unstable power supply environment, the user cares about the integrity of the important production data can be saved, the hard disk, application software and operating system to avoid power failure to avoid potential problems, thereby improving the stability of equipment and real-time operation.

