## **GF-603U** specifications

Adopts Intel<sup>®</sup> Sky Lake-U Core<sup>™</sup> i3-6100U processor (optional i3, i5, i7), can be applied in IoT, Control, Industry 4.0

- ●Using Intel<sup>®</sup> Sky Lake-U Core<sup>™</sup> i3-6100U processor (optional i3, i5, i7)
- •DDR4 4GB memory, up to dual-channel 32GB
- •2×Intel high-performance Gigabit LAN
- •1×128GB M.2 SSD solid state drive
- •2×HDMI, 1×VGA, HDMI2 and VGA can be used either
- •1×Mini-PCIe expansion slot, can expand WIFI, 3G/4G
- •Support watchdog, wake-on-lan, diskless boot and other functions
- •High-quality aluminum extrusion alloy, galvanized steel sheet, fine sand grain, IP54 or above protection level
- •Suitable for IoT, control, industry 4.0 and other applications

CPU         Intel® Sky Lake-U Core™ I3-6100U 23GHz CPU , TDP 15W (optional Celeron, Pentum, I3, I5, I7)           Memory           Stot Number         DDR4 4GB, up to 32GB for dual channel           Graphics         Graphics           Controller         Intel® HD Graphics 520 (Via CPU)           VGA         1 (HDMI2 and VGA use either)           UDM1         2 (HDMI2 and VGA use either)           DDR4         2 (HDMI2 and VGA use either)           Ear Panel         Storage           VGA         1         1.0C-IN 12-24V           DC IN         1         DC-IN 12-24V           QUSB         4-USB3.0         4-USB3.0           USB         4-USB3.0         4-USB3.0           USB         4-USB3.0         1 une-out           Foot Panel         Foot Panel         Foot Panel           USB         4-USB3.0         2-R445 support 10/100/1000Mpps, adaptive network         Audio           1 une-out         Foot Panel         Foot Panel         Foot Panel           USB         4-USB3.0         Audio         1 une-out         Foot Panel           USB         4-USB2.0         Foot Panel         Foot Panel         Foot Panel           USB         4-USB2.0         USB         Paylical Panopertie	Descrete Carbon		
Memory           Slot Number         DDR4 4GB, up to 32GB for dual channel           Graphics         Graphics 520 (Via CPU)           Controller         Intel® HD Graphics 520 (Via CPU)           VGA         1 (HDM12 and VGA use either)           DDM1         2 (HDM12 and VGA use either)           TERE         Storage           HDD         1286 M2 SSD, capachy can be customized according to the demand, 2.5-inch hard disk can be expanded           HDD         1286 M2 SSD, capachy can be customized according to the demand, 2.5-inch hard disk can be expanded           VGA         1           OCIN         1, DC-IN 12-24V           DCIN         1, DC-IN 12-24V           QUSB         4-USB3.0           USB         4-USB3.0           LAN         2-R445, support 10/100/1000Mbps, adaptive network           Audio         1 kine-out           USB         4-USB2.0           USB         4-USB2.0           USB         4-USB2.0           COM         1 xPWR SWith           USB         4-USB2.0           USB         4-USB2.0           COM         1 xPWR SWithUED           Dimensions (W-Dx-H) / Weight         without hanging ear: 223-150-42; with hanging ear: 245:150-4455m mode, optional.5V/12V livej	Processor System		
Stot Number         DDR4 4GB, up to 32GB for dual channel           Graphics         Graphics           Controller         Intel® HD Graphics 520 (Via CPU)           VGA         1 (HDM12 and VGA use either)           HDM1         2 (HDM12 and VGA use either)           Torrage         Storage           HDD         128G M2 SSD, capacity can be customized according to the demand, 25-inch hard disk can be expanded           TOR         1           MDD         128G M2 SSD, capacity can be customized according to the demand, 25-inch hard disk can be expanded           TOR         1           MDD         1           MDD         1           VGA         1           DC IN         1, DC-IN 12-24V           HDM1         2           QUSB         4"USB3.0           LAN         2-RR45, support 10/100/1000Mbps, adaptive network           Audio         1 xlune-out           SUSB         4-USB2.0           QUMD         4-USB2.0	CPU	Intel® Sky Lake-U Core™ i3-6100U 2.3GHz CPU,TDP 15W (optional Celeron、Pentium、i3、i5、i7)	
Graphics           Graphics           Graphics           Controller           Intel® HD Graphics 520 (Via CPU)           VGA         1 (HDM12 and VGA use either)           HDM1         2 (HDM12 and VGA use either)           HDD2         248G M2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded           HDD         128G M2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded           VGA         1           COLIN         1, DC-IN 12-24V           PUR         2           USB         4'USB3.0           LAN         2           QUSB         4'USB3.0           LAN         2.R145 , support 10/100/1000Mbps, adaptive network           Audio         1.kine-out           Front Panel         Front Panel           USB         4.USB2.0           PWR Switch         1.PWR SW+PWR LED           QUM         2           DTennsions (W-Du-H) / Weight         Without hanging ear: 223 x150 x42; with hanging ear: 245 x150 x45mm about 2.00KG           DTennsions (W-Du-H) / Weight         without hanging ear: 223 x150 x42; with hanging ear: 245 x150 x45mm about 2.00KG	Memory		
Controller         Intel® HD Graphics 520 (Via CPU)           VGA         1 (HDM12 and VGA use either)           HDMI         2 (HDM12 and VGA use either)           Storage         Storage           HDD         128G M2 SSD, capacity can be customized according to the demand. 2.5-inch hard disk can be expanded           VGA         1           VGA         1           DC IN         1, DC-IN 12-24V           Rear Panel         2           USB         4*USB3.0           USB         4*USB3.0           LAN         2.R445 , support 10/100/1000Mbps, adaptive network           Audio         1 xline-out           Front Panel         Front Panel           USB         4xUSB2.0           VFM Switch         1 xPVWR SW+PWR LED           COM         4*COM (COM1, COM2 are standard R5232 mode; COM3, COM4 optional R5232/R5485 mode, optional SV/12V live)           PWR Switch         1 xPVWR SWEPWR LED           Dimensions (Wx-Dx-H) / Weight         without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG           Dimensions (Wx-Dx-H) / Weight         without langing ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG	Slot Number	DDR4 4GB, up to 32GB for dual channel	
VGA     1 (HDMI2 and VGA use either)       HDMI     2 (HDMI2 and VGA use either)       Storage     Storage       HDD     128G M.2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded       VGA     1       VGA     1       OC IN     1, DC-IN 12-24V       Rear Panel     2       USB     4*USB3.0       LAN     2       VGA     1       USB     4*USB3.0       LAN     2.RI45, support 10/100/1000Mbps, adaptive network       Audio     1 ×Line-out       Front Panel     Front Panel       USB     4×USB2.0       QMR Switch     1 ×DWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional SV/12V Live)       PWR Switch     1 ×DWR SW+PWR LED       Dmensions (W+DX+H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2,00KG       Material/Surface Treatment     Environment	Graphics		
HDM     Q (HDM2 and VGA use either)       Storage       HDD     128G M2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded       HDD       HDD     128G M2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded       Rear Panel       VGA     1       DCIN     1, DC-IN 12-24V       HDMI     2       USB     4*USB3.0       LAN     2.R445, support 10/100/1000Mpbps, adaptive network       Audio     1 ×Line-out       Front Panel       USB     4×USB2.0       LSB     4×USB2.0       QMR Switch     1 ×PWR SW+PWR LED       OLine out COM       Physical Properties       Dimensions (W-D×H) / Weight     without hanging ear: 223×150×42; with hanging ear: 245×150×45mm about 200KG       Material/Surface Treatment     theet metal/silver gray	Controller	Intel® HD Graphics 520 (Via CPU)	
Storage           HDD         128G M2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded           Rear Panel         Rear Panel           VGA         1           DC IN         1, DC-IN 12-24V           HDM         2           USB         4/USB3.0           USB         4/USB3.0           LAN         2-Rear Panel           VGA         1 xlune-out           Front Panel         2           USB         4/USB3.0           LAN         2-RR45, support 10/100/1000Mbps, adaptive network           Audio         1 xlune-out           Front Panel         2           USB         4/USB2.0           VDR Switch         1 xPWR SW+ED           VCM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional SV/12V live)           Physical Properties           Dimensions (W-xD-H) / Weight         without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG           Material/Surface Treatment         stert metal/sliver gray           Environment	VGA	1 (HDMI2 and VGA use either)	
HDD       128G M2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded         Rear Panel         VGA       1         DCIN       1, DC-IN 12-24V         HDMI       2         USB       4*USB3.0         LAN       2×RI45 , support 10/100/1000Mbps, adaptive network         Audio       1 ×Line-out         Front Panel       VGA         VSB       4*USB2.0         LSB       4*USB2.0         PWR Switch       1 ×PWR SW+PWR LED         COM       4*COM (COM1, COM2 are standard R5232 mode; COM3, COM4 optional R5232/R5485 mode, optional 5V/12V live)         PWR Switch       without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG         Material/Surface Treatment       sheet metal/silver gray         Environment       Environment	HDMI	2 (HDMI2 and VGA use either)	
Rear Panel           VGA         1           DC IN         1, DC-IN 12-24V           DD CIN         2           HDMI         2           USB         4*USB3.0           LAN         2.xRl45, support 10/100/1000Mbps, adaptive network           Audio         1 xLine-out           Front Panel         1           USB         4×USB2.0           VSB         4×USB2.0           USB         4×USB2.0           USB         4×USB2.0           OCM         2×OU (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional SV/12V live)           PWR Switch         1 ×PWR SW+PWR LED           Otimensions (W×D×H) / Weight         without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG           Dimensions (W×D×H) / Weight         without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG	Storage		
VGA         1           DCIN         1, DC-IN 12-24V           HDMI         2           USB         4*USB3.0           LAN         2×R145, support 10/100/1000Mbps, adaptive network           Audio         1×Line-out           Front Panel           USB         4×USB2.0           VSR         4×USB2.0           PWR Switch         1×PWR SW+PWR LED           COM         4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional SV/12V Live)           Physical Properties         Physical Properties           Dimensions (W×D×H) / Weight         without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG           Material/Surface Treatment         sheet metal/sliver gray           Environment         Environment	HDD	128G M.2 SSD, capacity can be customized according to the demand, 2.5-inch hard disk can be expanded	
DCIN     1       DCIN     1       HDMI     2       USB     4*USB3.0       LAN     2×RV45 , support 10/100/1000Mbps, adaptive network       Audio     1 ×Line-out       Front Panel       USB     4×USB2.0       USB     4×USB2.0       VSB     4×USB2.0       VSB     1 ×PWR SW+PWR LED       COM     1 ×PWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       Physical Properties     Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray	Rear Panel		
HDMI     2       USB     4*USB3.0       LAN     2×RU45 , support 10/100/1000Mbps, adaptive network       Audio     1 ×Line-out       Front Panel       USB     4×USB2.0       USB     4×USB2.0       PWR Switch     1 ×PWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional SV/12V Live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray	VGA	1	
Audio     4*USB3.0       LAN     2×Rl45 , support 10/100/1000Mbps, adaptive network       Audio     1 ×Line-out       Front Panel     1 ×Line-out       USB     4×USB2.0       VSB     4×USB2.0       COM     1 ×PWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray	DC IN	1 , DC-IN 12-24V	
LAN     2xRV5, support 10/100/1000Mbps, adaptive network       Audio     1 xLine-out       Front Panel     1 xLUSB       USB     4xUSB2.0       PWR Switch     1 xPWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray	HDMI	2	
Audio     1 ×Line-out       Front Panel       USB     4×USB2.0       PWR Switch     1 ×PWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode; optional 5V/12V live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray	USB	4*USB3.0	
Front Panel       USB     4×USB2.0       PWR Switch     1 ×PWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional SV/12V live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray       Environment	LAN	2×RJ45 , support 10/100/1000Mbps, adaptive network	
USB     4×USB2.0       PWR Switch     1 ×PWR SWt-PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray	Audio	1 ×Line-out	
PWR Switch     1 xPWR SW+PWR LED       COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray       Environment	Front Panel		
COM     4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)       Physical Properties       Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray       Environment	USB	4×USB2.0	
Physical Properties           Dimensions (W×D×H) / Weight         without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG           Material/Surface Treatment         sheet metal/silver gray           Environment	PWR Switch	1 ×PWR SW+PWR LED	
Dimensions (W×D×H) / Weight     without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG       Material/Surface Treatment     sheet metal/silver gray       Environment	COM	4*COM (COM1, COM2 are standard RS232 mode; COM3, COM4 optional RS232/RS485 mode, optional 5V/12V live)	
Material/Surface Treatment sheet metal/silver gray Environment	Physical Properties		
Environment	Dimensions (W×D×H) / Weight	without hanging ear : 223×150×42 ; with hanging ear : 245×150×45mm about 2.00KG	
	Material/Surface Treatment	sheet metal/silver gray	
Operating Temperature: -10~60°C. Humidity: 0%~90%. non-condensing	Environment		
	Operating	Temperature: -10~60°C, Humidity: 0%~90%, non-condensing	
Storage Temperature: -40~80°C, Humidity: 0%~90%, non-condensing	Storage	Temperature: -40-80°C, Humidity: 0%-90%, non-condensing	