# IPC-GS2U77C

Intel® Core™ i3/i5/i7 + RK3399 processors

Rackmount industrial computer



Features:

Intel® Skylake-U Core™ i3/i5/i7 low-power processor + RK3399 Cortex-A72+Cortex-A53, six-core, 64-bit, 2.0GHz

Sealed, fanless, dust-resistant design

Main unit: 8GB standard, up to 16GB; auxiliary unit: 4GB memory standard

Main unit: 4*USB3.0, 4*USB2.0, 18*RS232, 1*HD, 1*16-channel GPIO

Auxiliary: 2*USB3.0, 6*USB2.0, 1*debug serial port, 16*RS232, 1*HD

Main: 2*Gigabit LAN; auxiliary: 1*Fast Ethernet LAN + 1*Gigabit LAN

Specifications:

| Performance | | | |
|---|---|---|---|
| Chipset | Intel® Core™ i3/i5/i7 processor<br>Auxiliary: RK3399 Cortex-A72+Cortex-A53 six-core, 64-bit, 2.0GHz) | Hardware monitor | Voltage/CPU temperature (auxiliary: N/A) |
| | | Watchdog | 0-255s, software-configured (auxiliary: N/A) |
| Memory | 8GB DDR4 SO-DIMM (optional 16GB)<br>Auxiliary: onboard LPDDR3 4GB (optional 2GB) | Storage | 256GB mSATAI (optional 64GB/128GB), 1TB 2.5-inch SSD<br>Auxiliary: 64GB eMMC flash (optional 32GB) |
| | | Power | 220V AC input |
| **Operating system** | | | |
| Operating system | Windows 10, CentOS, Ubuntu; auxiliary: Ubuntu 20.04 | | |
| **I/O interfaces** | | | |
| USB | 4*USB 3.0、4*USB2.0<br>Auxiliary: 2*USB3.0, 6*USB2.0 | Display | 1*HD, optional 1*VGA<br>Auxiliary: 1*HD |
| Serial | 18*RS232 (ports 1-2 optional RS485/RS422)<br>Auxiliary: 16*RS232 (1 optional RS485) + 1*debug serial port | GPIO | Optional 16 inputs/16 outputs (optocoupled inputs, relay outputs)<br>Auxiliary: N/A |
| Parallel port | 1*LPT; auxiliary: N/A | Expansion | 1*MINI PCIe<br>Auxiliary: 1*Mini PCIe |
| LAN | 2*Gigabit LAN<br>Auxiliary: 1*Fast Ethernet + 1*Gigabit LAN | Network switch | 8 copper + 2 fiber ports, Gigabit switch<br>Auxiliary: 8 copper + 2 fiber ports, Gigabit switch |
| Audio | 1*Line-out+1*Mic-in<br>Auxiliary: 1*line out + 1*MIC in | | |

| Environment | | | |
|---|---|---|---|
| Vibration | 5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration | Operating temp. | -20°C~70°C, airflow over surface |
| Shock | 10g acceleration, 11ms duration | Storage temp. | -40°C ~80°C |
| Reliability | MTBF≥50000h; MTTR≤0.5h | Operating humidity | 95%@40°C, non-condensing |
| **Physical** | | | |
| Dimensions (L x W x H) | 285*440.4*88mm | Mounting | Rackmount |
| Weight | 8.07kg/10.1kg (net/gross) | Color | Black |
| Material | SGCC chassis, fanless design | | |

Dimensions:

