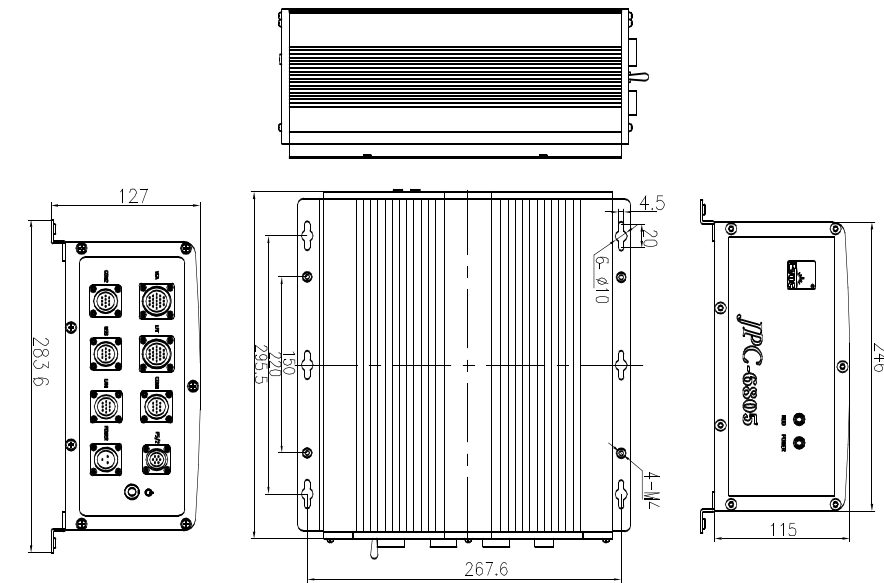


# JPC-6805

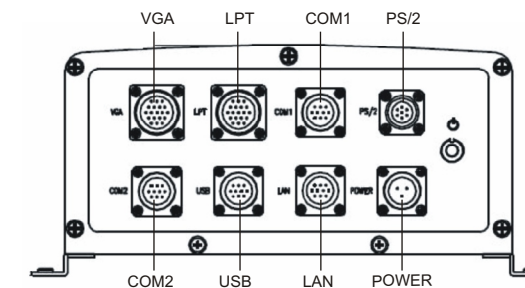
Airproof Wide-temperature Embedded Rugged PC



## Dimensions



## Panel External I/O Mechanical Layout/Drawing



## Features

- Fanless and Low power design
- High-quality Al-alloy and sheet-metal chassis with good performances in anti-dust and heat-dispersion
- Wide temperature design improves the reliability
- All I/O ports adopt aircraft sockets for performance of water-proof
- Can work in harsh environments, such as vehicles, ships, underwater, etc.



## Specifications

| System              |   |
|---------------------|---|
| Mother board        | EC3-1651CLDNA   |
| Processor           | Onboard Transmeta TM5800 733MHz CPU (933MHz optional)                       |
| Chipset             | TM5800 + VIA 686B chipset   |
| Memory              | Onboard 128MB DDR memory (up to 256MB)                                      |
| Watchdog Timer      | Programmable 1~31 seconds time interval                                     |
| Expansion Interface | PC/104-Plus expansion bus   |
| I/O Interface       |   |
| USB                 | 2 x USB port  |
| Serial Port         | 2 x RS-232  |
| PS/2                | 1 x PS/2  |
| Ethernet            |   |
| Chipset             | 1 x Realtek 8139B Ethernet chip   |
| Speed               | 10/100Mbps  |
| Connector           | 1 x RJ45 LAN connector  |
| Power               |   |
| Power Supply        | 75W power supply with wide temperature range                                |
| Test                |   |
| Vibration           | Amplitude 5.5~19Hz/1.5mm; acceleration 19~200Hz/3g (full-rugged for option) |
| Shock               | 30g acceleration peak-peak, 11ms pulse                                      |
| Protection Level    | IP67. Can work at 1m underwater   |
| EMC/EMI             | GB9254 B, GB/T 17618, GJB 151A(optional)                                    |

| Storage |  |
|---------|--|
| IDE     | 1 x 44-pin 2.5" HDD                    |
| CF      | 1 x wide-temperature CompactFlash card |

| Onboard Video |   |
|---------------|---|
| Chipset       | Onboard SMI Lynx 3DM4 + SM722 graphics display chip |
| Memory        | 4MB shared video memory                             |
| Display       | 1 x standard VGA display port                       |

| Physical Characteristics and Environment |   |
|--|---|
| Dimensions                               | 246mm(W) x 296mm(D) x 115mm(H)              |
| Reliability                              | MTBF ≥ 50000h; MTTR ≤ 0.5h                  |
| Safety                                   | GB4943 compliant                            |
| Operating Temperature                    | -25°C~60°C. Can be customized to -40°C~75°C |
| Storage Temperature                      | -50°C~70°C                                  |
| Operating Humidity                       | 40°C, 95%RH                                 |

| Operation System |  |
|------------------|--|
| Windows OS       | DOS/Windows 98SE/ Windows 2000/ Windows XP |
| Embedded OS      | Linux/XP Embedded/WinCE                    |

## Available Accessories

| Part Number | Name               | Description  | Qty. |
|-------------|--------------------|--|------|
| 2391-005931 | Bolt/RoHS          | Pan head M4x12/GB-T818-1985/stainless steel                                    | 8    |
| 2391-005671 | Bolt/RoHS          | Truss head M3x10/MPW3x10-Ni/GB-9074.1-88/stainless steel                       | 8    |
| 2391-000871 | Bolt/RoHS          | Pan head/with washer M3x6/stainless steel                                      | 8    |
| 2330-000041 | Jumper/RoHS        | 2.54mm pitch, blue   | 4    |
| —           | User's Manual/RoHS | EC3-1651CLDNA  | 1    |
| 1360-001141 | VGA cable/RoHS     | Y11P-1419TK01-8 (female) to DB15P (female), length: 1500mm                     | 1    |
| 1360-001231 | COM cable/RoHS     | Y11P-1210TK01-8 (female) to DB9P (male), length: 1500mm                        | 2    |
| 1360-001251 | LPT cable/RoHS     | Y11P-1419TK01-8 (female) to DB25P (female), length: 1500mm                     | 1    |
| 1360-001201 | PS/2 cable/RoHS    | Y11P-1007TK01-8 (female) connector to MD-6P connector (female), length: 1500mm | 1    |
| 1360-001161 | USB cable/RoHS     | Y11PV-1210TK01-8 (female) connector to USB connector (female), length: 1500mm  | 1    |
| 1360-001271 | LAN cable/RoHS     | Y11PV-1210TK01-8 (female) connector to RJ45 connector (female), length: 1500mm | 1    |
| 1360-001181 | Power cable/RoHS   | Y11P-1210TK01-8 (female) connector to AC connector (male), length: 1500mm      | 1    |
| 1481-019670 | Bracket II/5002    | Blank/293x67x2   | 2    |

## Ordering Information

| Part Number | Model Number                          | Description   |
|-------------|---------------------------------------|---|
| 0010-007050 | JPC-6805                              | Complete PC:TM5800 800M/256M/CF card 512M/75W Power supply/EC3-1651CLDNA/JPC-6805 |
| 0020-012990 | JPC-6805/no power supply/no backplane | Empty chassis   |