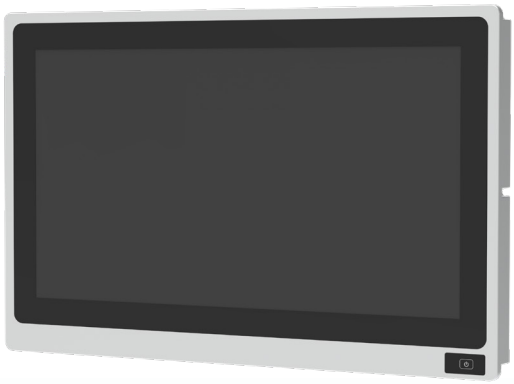
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# HMI-F18C-R1

Vehicle-mounted integrated machine



HMI-F18C-R1 is a compact and durable industrial all-in-one machine that supports capacitive touch. The whole machine adopts a compact, fanless, shockproof design, which can meet the application in harsh environments. The core control is equipped with an ARM Cortex-A55 quad-core processor, which has efficient data processing capabilities and stable and reliable performance. Equipped with USB, Ethernet, CAN, serial port and other interfaces, it can meet the different expansion needs of users and is suitable for use in industrial control, automation design and engineering machinery.

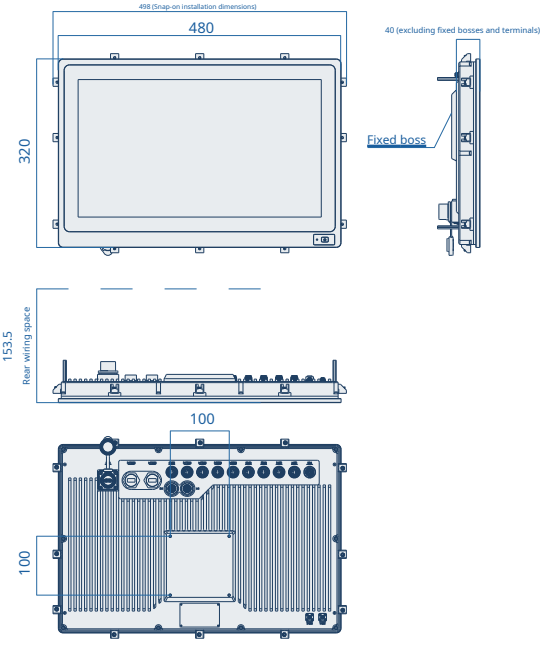
## Product Features

- Equipped with ARM Cortex-A55 quad-core processor, main frequency 2.0GHz
- Equipped with 18.5-inch LCD display (resolution 1920*1080), supports capacitive touch
- Compact fanless design, front panel meets IP65 waterproof
- Equipped with 5xCOM, 4xUSB, 2xLAN, 2xCAN, 1xHDMI and other rich interfaces
- Support wall mounting and VESA bracket mounting

## Dimensions

DIMENSION

Unit: mm




## FEATURES Technical specifications

SPECS

| | | | |
|---|---|---|---|
| **hardware** | | | |
| Processor Platform | ARM Cortex-A55 quad-core | | |
| Frequency | 1.5~2GHz | | |
| Memory | 8GB LPDDR4 | | |
| Storage Media | 128GB eMMC | | |
| Watchdog | support | RTC | support |
| **software** | | | |
| operating system | Embedded Linux System | | |
| **External interface** | | | |
| CAN | 2×CAN | | |
| Ethernet | 2× Gigabit Ethernet (M12 X-coded 8-core) | | |
| Serial Port | 1 × RS422<br>1 × RS485<br>2×RS232<br>1xUART debug interface | | |
| USB | 2×USB2.0 (M12-A code)<br>2 × USB3.0 (TYPE-A) | | |
| Video Input | 1×HDMI | | |
| antenna | 2×SMA antenna interface | | |
| **Display** | | | |
| Screen size | 18.5 in | Resolution | 1920*1080 |
| brightness | 500cd/m² | Touch screen type | Capacitive |
| **Wireless Communications** | | | |
| Wireless network module | Optional Wifi-6 module | | |
| **power supply** | | | |
| Input voltage | DC 24V (9V~36V) | | |
| Power consumption | ≤ 40W | | |
| **Basic Specifications** | | | |
| weight | ≤ 8kg | | |
| Installation | Wall mount/VESA bracket installation | | |
| Cooling method | Natural air cooling | | |
| **Environment and reliability** | | | |
| Operating ambient temperature | -20℃ ~60℃ | | |
| Storage temperature | - 30℃ ~60℃ | | |
| Relative humidity | ≤ 95% | | |
| Protection level | IP65 | | |

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