R12FA3S-GSM2(HB)

12.1" Vehicle-mounted Touch Panel Computer with NXP i.MX6 G-WIN GS-Series

KEY FEATURES

- 12.1" 1024 x 768 Resolution with Projected Capacitive Multi-Touch (P-CAP)
- NXP i.MX6 Dual Core 1GHz (Optional Quad Core) Full IP65 PCAP Panel PC
- Fanless cooling system and ultra-low power consumption
- Onboard LPDDR3 1GB vehicle-mounted touch panel computer
- Onboard 16GB eMMC Flash
- Full IP65
- 1 x LAN, 1 x RS232, 1 x USB, 1 x USB OTG, 1 x Console, 1 x Micro SD
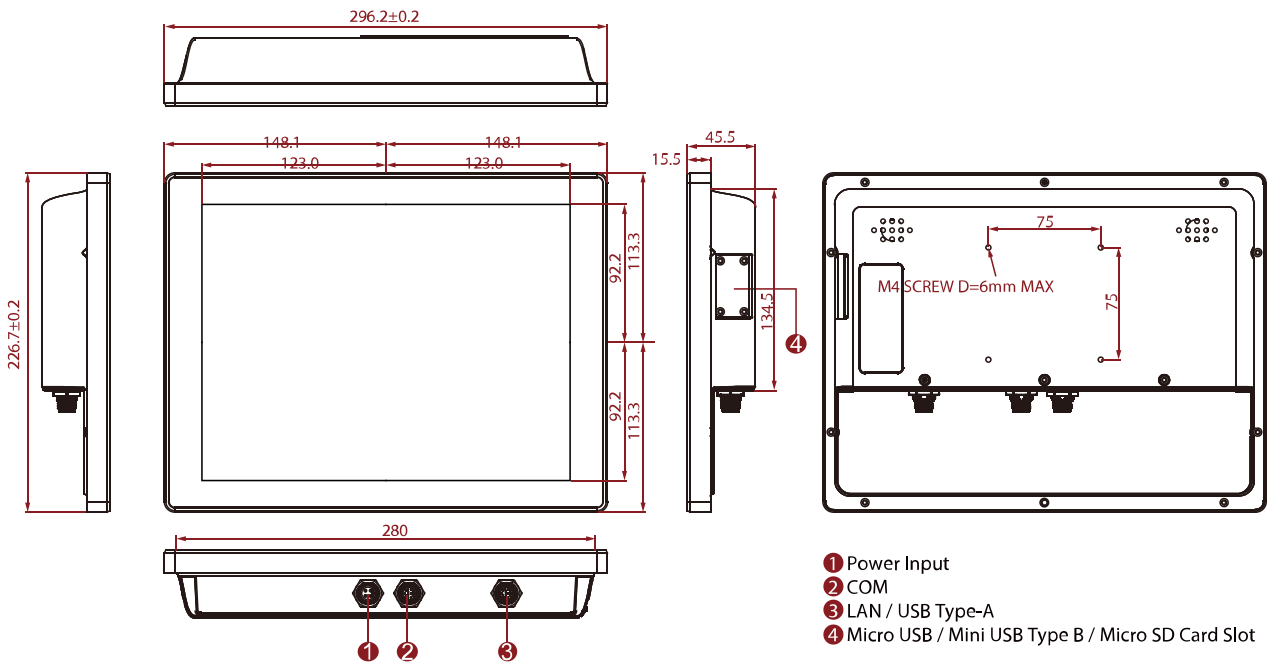
SPECIFICATIONS

Display

Touch / Glass	Projected Capacitive Multi Touch Screen Protection Glass (Optional)	**Resolution**	1024x768
Size	12.1 inches	**Contrast Ratio**	1000:1
Panel Brightness	500 nits 1000 nits(Optional)	**View Angles**	89,89,89,89
Active Area	245.76x184.32 mm		

System Specification

Processor	NXP i.MX6 Dual Core, 1.0GHz	**Memory**	1GB 2GB (Optional)
Storage	eMMC: Onboard 16 GB eMMC: Onboard 32 GB (Optional)	**Operating System**	Linux Ubuntu 18.04 (Optional) Android 6.0 (Optional) Debian 7.0 (Optional) Linux 4.1.15 QT 5.5 (Optional)
WLAN	Support (Optional)	**BT**	Support (Optional)

Environment

Operating Humidity	10% to 95% RH	**Operating Temperature**	-15~55°C
Storage Temperature	-30°C to 60°C	**Shock**	40g for 11ms
Vibration	1.48/1.90/2.24 g rms for XYZ/ 5-500Hz	**IP rating**	IP65, Dustproof and Waterproof

Certification

Certification	CE, FCC Compliant with MIL-STD-810F/G for vibration / shock

IO Ports

USB Port	1 X USB 2.0 (M12 type)	**Serial Port**	1 x RS232 (M12 type)(Optional 422/485)
SD Card Slot	1 x Micro SD Card Slot	**Audio**	2 x Speaker
LAN	1 x LAN-10/100/1000 (M12 type)		

Mechanical

Dimension	296.2 x 226.7 x 45.5 mm	**Mounting**	VESA Mount/ Panel Mount
Enclosure	Metal Housing with Aluminum Bezel	**Cooling System**	Fanless Design

Power	
Power Rating	12V DC (M12 type)
Accessory	
Accessory	Quick Start Guide (Hardcopy) Driver CD & User Manual M12 Power Cable M12 Serial Interface Cable M12 USB/ LAN Cable I/O Protective Cap x 3

DIMENSIONS   UNIT:MM

❶ Power Input
❷ COM
❸ LAN / USB Type-A
❹ Micro USB / Mini USB Type B / Micro SD Card Slot

NOTE

1. This is a simplified drawing and some components are not marked in detail.
2. Please contact our sales representative if you need further product information.
3. All specifications are subject to change without prior notice.
4. The product shown in this datasheet is a standard model. For diagrams that contain customized or optional I/O, please contact the Winmate Sales Team for more information.