




MONITOR DISPLAY MODULE

Product Specification

Customer	Standard or customer name			
Product Number	DM-164BD-STD			
Customer Part Number	QM-164BD-OPCR02	Optically Bond, PCT		
	QM-164BD-OPCR03	Air bound, PCT		
Customer Approval				Date:

Internal Approvals

Product Mgr	Doc. Control	Electr. Eng
Bazile Peter	Bazile Peter	Thomas Walker
Date: 13/09/17	Date: 13/09/17	Date: 13/09/17

Revision Record

Rev.	Date	Page	Chapt.	Comment	ECR no.
A	13/09/17	--	--	Initial Release	

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1.0 General Descriptions

1.1 Introduction

This is an advanced 16.4" Monitor, with 1366 x 238 resolution, 170 degree wide viewing angle, remarkable 320 nits brightness and a durable, professional mechanical design.

1.2 Main Features

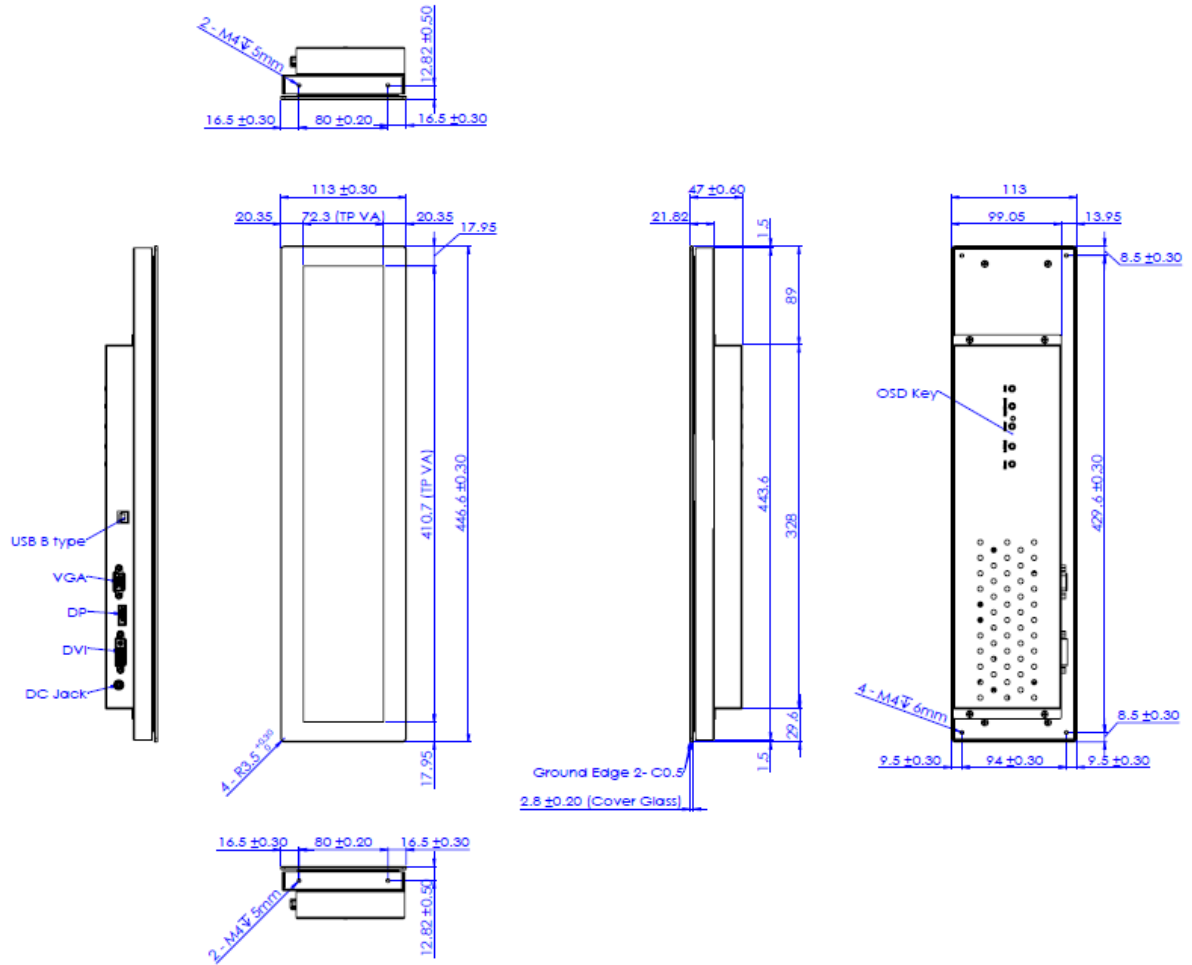
Item	Contents
Display Format	1366 x 238
Colour	16.7M colours (8-bit RGB)
Overall Dimensions	446.6 (W) × 113 (H) × 49 (D) mm
Viewing Area	410.7 (W) x 72.3 (H) mm
Screen Size	16.4"
I/O	1 x DP, 1 x DVI, 1 x VGA, 1x USB Type B for touch
Touch Type	Projective Capacitive Multi Touch
Multi touch	10 points
Operating temperature	0°C ~ +45°C
Storage temperature	-20°C ~ +60°C

2.0 Mechanical Specification

2.1 Mechanical Characteristics

Item	Characteristic	Unit
Display Format	1366 x 238	Dots
Overall Dimensions	446.6 (W) × 113 (H) × 49 (D)	mm
Viewing Area	410.7 (W) x 72.3 (H)	mm
Mounting	User hole for M4 Screw	

2.2 Mechanical Drawing



3.0 Electrical Specification

3.1 Power

Item	Remark
Normal Input Voltage Range	12V DC
Power Connector	DC Jack (2.5mm)
Power Consumption	<15 W

4.0 Electrical Specification Touch

4.1 Electrical Features

Item	Remark
Touch Type	PCT Touch
Touch Point	Multi touch points (up to 10 fingers)
Interface	USB Type B
OS Support	Win 7, Win 8 and Win 10 in multi-touch Linux operating system, kernel 3.0 or later

5.0 Optical Specification

5.1 Optical Characteristics

Characteristics	Symbol	Conditions	Min	Typ	Max	Unit
Brightness	L _{br}		-	320	-	cd/m ²
Dark Room Contrast	CR		-	1000:1	-	
View Angle			170/160	-	-	degree

6.0 Environmental Specification

6.1 Environmental Characteristics

Item	Remark
Operating Temperature	0°C ~ +45°C
Storage Temperature	-20°C ~ +60°C
Humidity	5~90% @ 40°C, non-condensing