



D-3362-I

with
DM&P Vortex86DX3
1GHz processor

Version 1.0

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Revision History

Revision	Date	Remark
1.0	June 1, 2018	First version release

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1 General Information

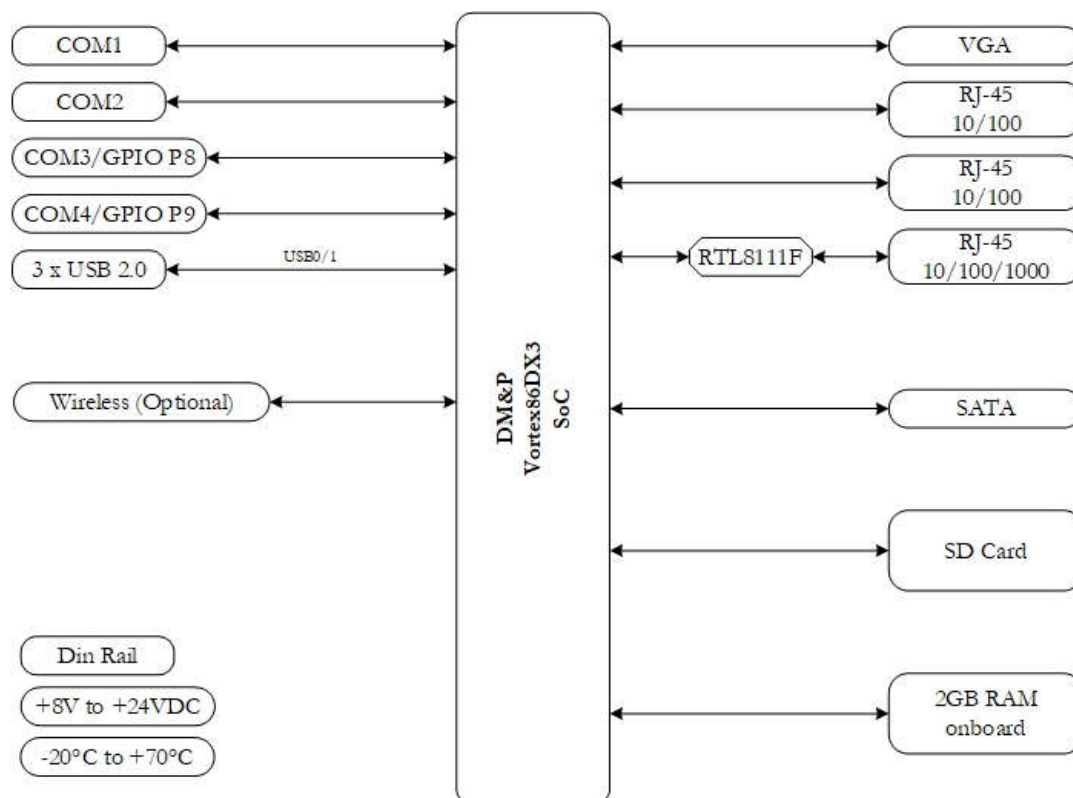
1.1 Overview

D-3362-I series, based on Vortex86DX3 SoC with 2GB DDR3 RAM onboard memory, is a system solution designed to provide stable computing performance with low-power consumption benefit.

D-3362-I series equipped with VGA, LAN, GLAN, 3USBs, 4COMs, SATA, SD card slot, GPIO, and wireless antenna (optional), is configured to meet a large variety of applications.

D-3362-I can operate in temperature from -20°C to 70°C and support +8 to +24VDC and can be configured as industrial automation, process control, automotive controller, AVL, medical device, and machine control, etc.

1.2 Block Diagram



1.3 Specifications

Part Number	D-3362-852C2-I	D-3362-851C1G2-I
Processor	DM&P SoC CPU Vortex86DX3 - 1GHz	
RAM	2GB DDR3 Onboard	
BIOS	AMI BIOS	
Display	VGA: Maximum resolution up to 1920x1080 @ 60Hz	
LAN	10/100Mbps LAN x1 10/100/1000Mbps LAN x1	
USB	External x2 Internal x1 (for wireless dongle)	
SD Slot	Internal x1	
SATA	1	
RS232	2	1
RS485	2	1
GPIO	---	8-bit GPIO x2
Dimension	152 x 104 x 54mm	
Power Requirement	+8 to +24VDC	
Weight	760g	
Operating Temperature	-20°C to +70°C	
Auto Power On	Support	
DIN Rail	Support	
O/S Support	Windows7 Windows Embedded Standard 7 Windows Embedded Compact 7 Windows Embedded CE6.0 Windows XP Professional Windows Embedded 2009	Linux DOS POS Ready (WePOS) QNX VxWorks Free BSD

1.4 Ordering Information

Box System

Part Number	Description
D-3362-852C2-I	Vortex86DX3 1GHz with 2GB RAM/LAN/GLAN/SD/SATA/4COM
D-3362-851C1G2-I	Vortex86DX3 1GHz with 2GB RAM/LAN/GLAN/SD/SATA/2COM/16-bit GPIO

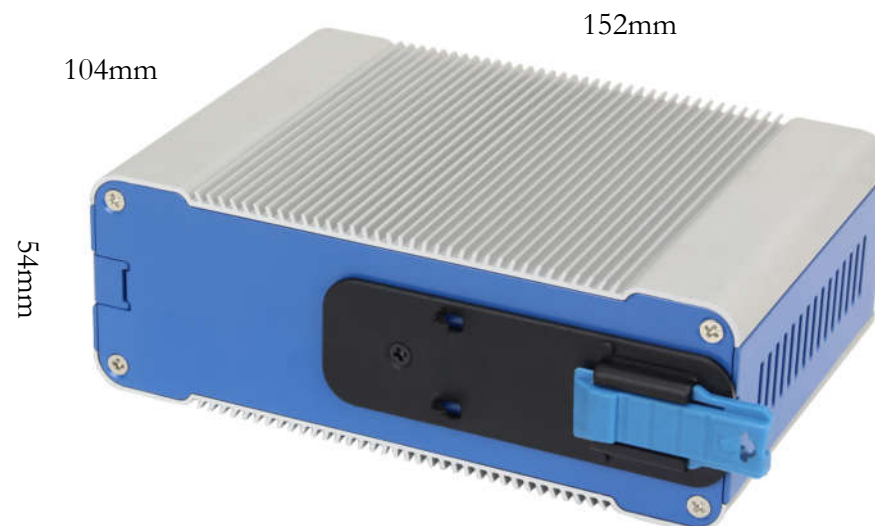
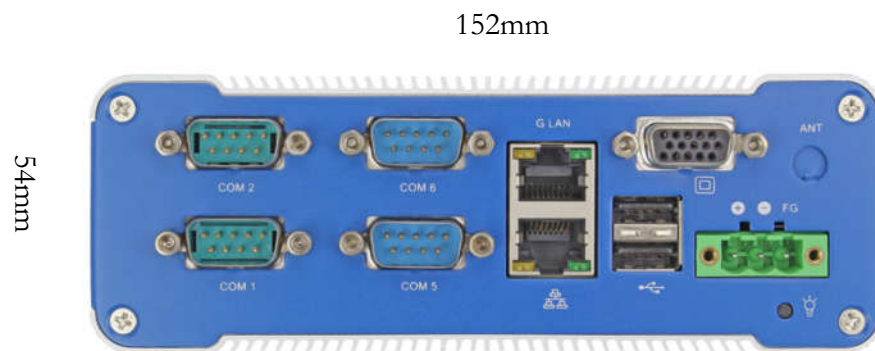
Wireless Dongle

Part Number	Description
USB-WLAN-IPEX-KIT	Internal Wireless USB Adapter
WIRELESS-ANTENNA-157MM	2dBi Dipole Antenna for Wireless USB Adapter, 157mm
WIRELESS-CABLE-150MM	150mm Cable for Antenna



2 Hardware Information

2.1 Dimension

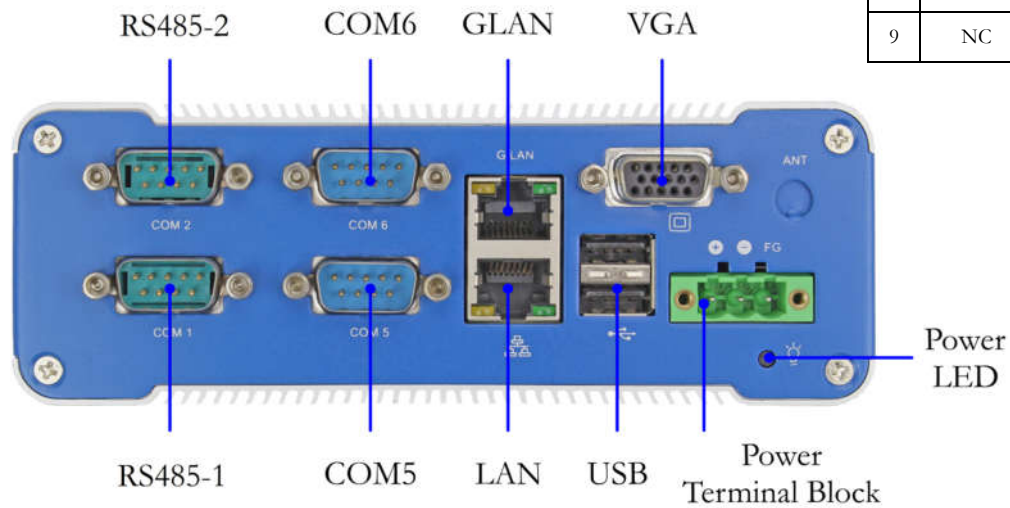


2.2 Product Outline

D-3362-852C2-I

RS485-2 Pin Assignment:

1	RS485-2-	2	RS485-2+
3	NC	4	NC
5	GND	6	NC
7	NC	8	NC
9	NC	10	



RS485-1 Pin Assignment:

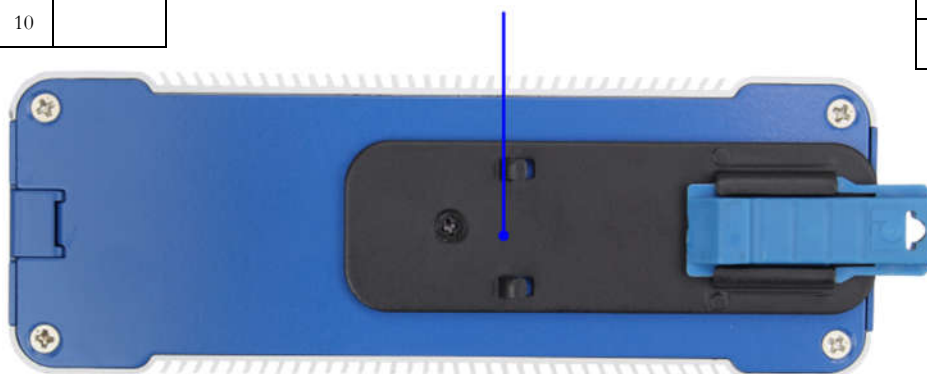
1	RS485-1-	2	RS485-1+
3	NC	4	NC
5	GND	6	NC
7	NC	8	NC
9	NC	10	

Front

COM5/6 Pin Assignment:

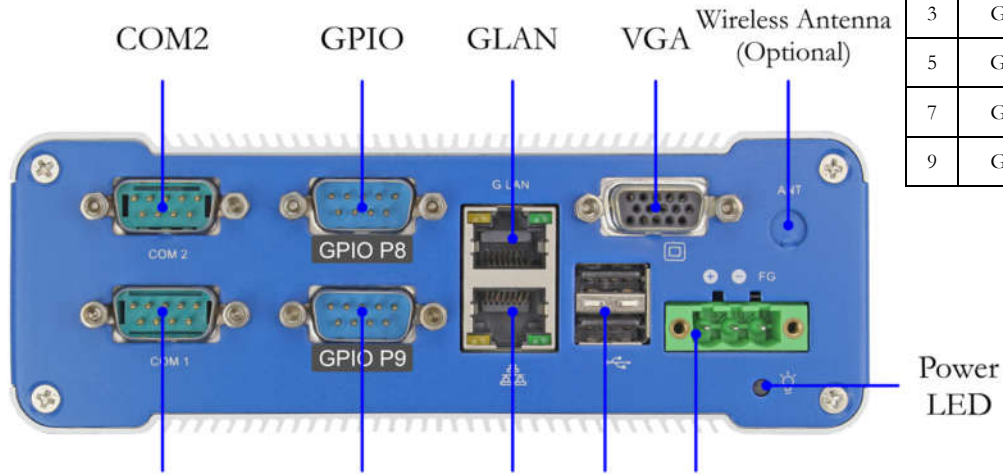
1	DXD-	2	RXD
3	TXD	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	

DIN Rail



Rear

D-3362-851C1G2-I

**GPIO Port8 Pin Assignment:**

1	GP80	2	GP84
3	GP81	4	GP85
5	GND	6	GP86
7	GP82	8	GP87
9	GP83	10	VCC

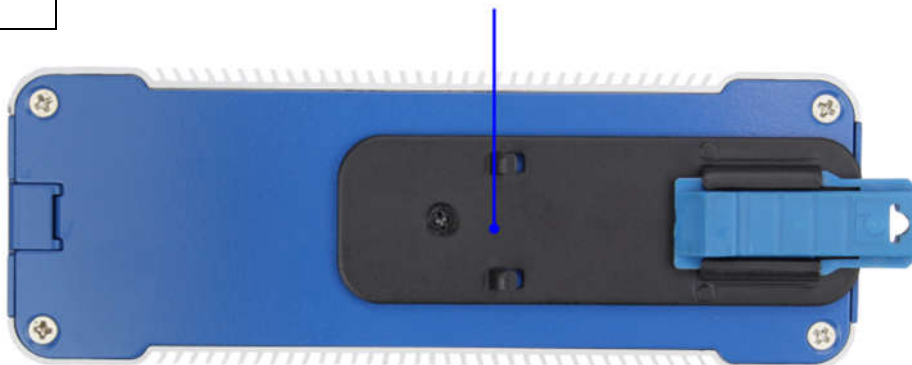
COM2 Pin Assignment:

1	DXD-	2	RXD
3	TXD	4	DTR
5	GND	6	DSR
7	RTS	8	CTS
9	RI	10	

RS485 Pin Assignment:

1	RS485-	2	RS485+
3	NC	4	NC
5	GND	6	NC
7	NC	8	NC
9	NC	10	

Front
DIN Rail



Rear

GPIO Port9 Pin Assignment:

1	GP90	2	GP94
3	GP91	4	GP95
5	GND	6	GP96
7	GP92	8	GP97
9	GP93	10	VCC

3 Software Resources

3.1 ICOP Technical Resource Website

In the following website, you will find our latest user manuals, including OS support resources systems such as evaluation images for Windows Embedded Compact 7, Windows Embedded CE 6.0, Windows Embedded CE 5.0, and Windows XP Embedded (Win XPe). For details, please kindly visit the following link: <http://tech.icop.com.tw/>

4 Technical support

4.1 BIOS Introduction

Featuring AMI BIOS, D-3362-I is a one stable module board for your applications. In this section, we will introduce you some basic AMI BIOS setting such as selecting storage and selecting COM port function.

4.1.1 Storage Selection

Main storage is set to SATA DoM as default on D-3362-I. If SD card is required as main storage, please follow the following to change BIOS setting:

Path: Advanced > IDE Configuration > Primary IDE Pin Select > SD Card



Technical Support Directly from ICOP

To offer you more accurate and specific solutions for the technical situations you have, please prepare the information below before contacting ICOP:

- Product name and serial number
- Description of the H/W environment (i.e.: working temperature, I/O board information, information of connection between main board and IO boards, and/or other devices, etc)
- Description of the S/W environment (i.e: operating system, version, application software, and/or other related information, etc.)
- A detailed description and photos of the technical situation
- Any complement or technical situations you want ICOP more focusing on

User Manual Feedback

To make this user manual more complete, if you have any comments or feedbacks to this manual, please feel free to write to info@icop.com.tw or contact your ICOP sales representative.

Warranty

This product is warranted to be in good working order for a period of one year (12 months) from the date of purchase. Should this product fail to be in good working order at any time during this period, we will, at our option, replace or repair it without additional charge except as set forth in the following terms. This

warranty does not apply to products damaged by misuse, modifications, accident or disaster. Vendor assumes no liability for any damages, lost profits, lost savings or any other incidental or consequential damage resulting from the use, misuse of, originality to use this product. Vendor will not be liable for any claim made by any other related party. Return authorization must be obtained from the vendor before returned merchandise is accepted. Authorization can be obtained by calling or faxing the vendor and requesting a Return Merchandise Authorization (RMA) number. Returned goods should always be accompanied by a clear problem description. Should you have questions about warranty and RMA service, please contact us directly.

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