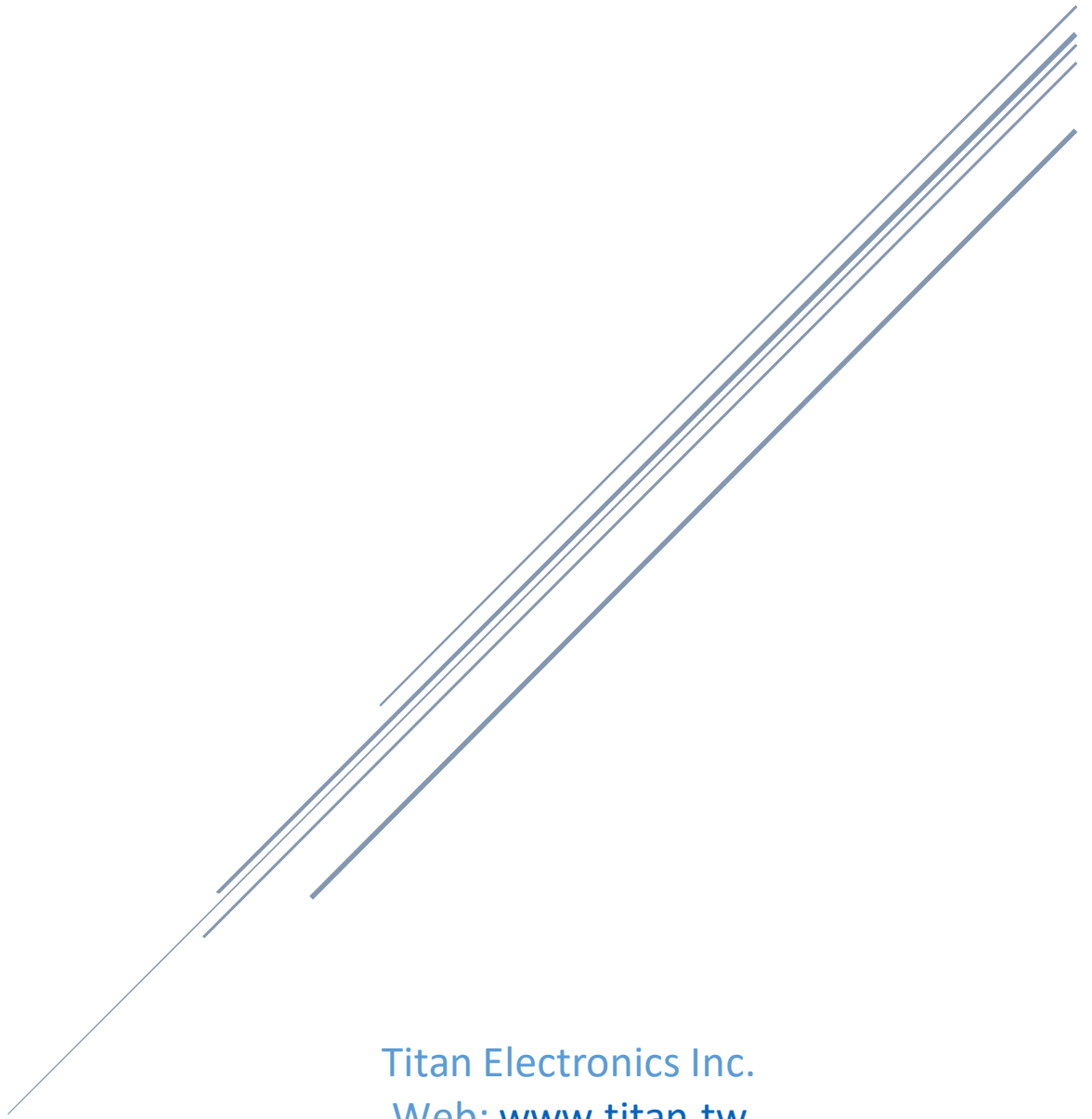# HUB-1230i USER'S MANUAL

2017 July Edition

Titan Electronics Inc.
Web: www.titan.tw

The computer programs provided with the hardware are supplied under a license. The software provided should be used only with the NCOM series hardware designed and manufactured by TITAN Electronics Inc.

Trademarks

TITAN and the logo is a registered trademark of TITAN Electronics Inc. in Taiwan. Microsoft, Windows, Windows XP, Windows Vista, Windows Server, Windows 7, Windows 8, Windows 10 are trademarks of Microsoft Corporation. All other trademarks and brands are property of their respective owners.

Copyright

Disclaimer

Contents

INTRODUCTION

TITAN's HUB-1230i is a robust, industrial-grade 12-port USB2.0 hub. HUB-1230i expands one USB port into 12 USB3.0 ports.

The HUB-1230i supports USB3.0 5Gbps (super-speed) USB2.0 480Mbps (high speed) 12Mbps (full speed) and USB1.1 1.5Mbps (low speed) data rates. It is powered by a high quality industrial-grade switching power supply and provides up to 900mA current to downstream devices. There is no need for any driver or software installation. By plugging the cable from the USB hub to the host USB port of the PC and connecting your USB devices to the downstream port of the hub, the host PC immediately gains 12 USB ports.

HUB-1230i USB hub is designed for use in industrial applications. It is housed in a DIN rail mountable metal case.

FEATURES

- Expands one USB3.0 port into 12 USB3.0 ports
- Compliant with the USB3.0 specification
- Each port provides 5V 900mA power to downstream device
- Supports USB3.0 5Gbps(super-speed) USB2.0 480Mbps (high speed) 12Mbps (full speed) and USB1.1 1.5Mbps (low speed) data rate
- Supports multiple transaction translator (TT) architecture to each downstream (DS) port
- Plug-and-play: no software or drivers required
- LEDs for power and USB status indication
- Input power range: DC9V ~ DC30V
- Included DC12V 5A switching power adapter
- Individual port power management
- Overcurrent protection
- Industrial-grade USB3.0 hub with metal case suitable for DIN rail mounting
- CE, FCC approval

SPECIFICATIONS

Function		Specification
Ports	*Downstream*	Twelve
	Upstream	One
LEDs	*Power*	One
	Port Status	Twelve
Power Mode		Self-power mode
Output Voltage (per port)		+5VDC
Output Current(per port)		900mA maximum
Operating Temperature		0°C to 45°C
Storage Temperature		-20°C to 70°C
Humidity		0 to 90% RH. noncondensing
Safety Approvals		CE, FCC
Housing		metal case
Weight		400g
Dimensions		155mm x 65mm x 53mm (W × L × H)
Input Power Range		9Vdc to 30Vdc

System Requirements

Any PC or Macintosh computer, with an available USB port and USB compliant operating system such as Windows 10, 8.1, 8, 7, Vista, XP, ME, 2000 or Mac OS 8.6 and above.

DIAGRAM OF HUB-1230i

INSTALLATION

This 12-port USB3.0 hub is a plug-and-play device. The software drivers are installed automatically.

- Connect the power adapter to HUB-1230i. The red power LED will light on when the hub is receiving power. Connect the upstream port cable to an unused USB3.0 port on your computer.

- After the software drivers are loaded, you will find a new "Generic USB Hub" in Universal Serial Bus controllers under "Device Manager" of the "System Properties" screen. ("Device Manager" can be accessed from Start → Settings → Control Panel → System Properties → Hardware → Device → Device Manager).

- Connect your USB devices to the downstream ports on HUB-1230i. The green/yellow USB status LED will illuminate when your USB devices have connected to the USB ports successfully.