IGT-30D IOT GATEWAY

Coming soon!

IGT-30D
IoT gateway with dual LAN and PoE PD enabled

- Extremely compact
- ARM/Linux-based
- Wide temperature range -25...+70°C
- Extensive IOs, e.g. 2x LAN
- Supports PoE+ Powered Device

PRODUCT DESCRIPTION

Neousys IGT-30 series, equipped with AM3352 from Texas Instrument's Sitara AM335x family, is an ARM-based Box PC aimed at Industrial Internet of Things (IIoT) Gateway and Industry 4.0 applications. As required by any industrial applications, IGT-30 series is shipped as a ready system preinstalled with Debian and in compliance with common industrial certifications such as CE/FCC, shock and vibration. It has a power input range of 10 to 25 VDC and a wide operating temperature from -25°C to 70°C to ensure IGT-30 continues to function under harsh industrial conditions.

IGT-30 series supports PoE Powered Device (PD) mode meaning it can be powered by a LAN cable from a PoE Power Sourcing Equipment (PSE), and at the same time transfer data via this cable as well. IGT-30 series has I/Os that are applicable to a range of industrial grade sensors. It features one USB2.0 port, two 10/100M LAN ports, one configurable COM port (RS-232/422/485) and an optional CAN bus port. In addition to the ports mentioned, there are 8 built-in isolated digital input channels that accept discrete signals from various sensors or buttons/ switches. There are also 2 built-in isolated digital output channels to control actuators and indicators.

Communication wise, IGT-30 series has a mini PCIe slot and a USIM holder allowing it to transmit acquired data and system status via 3G, 4G or WiFi (mini PCIe WiFi module). There is an opening on top of IGT-30 series for users to mount the SMA connector of the wireless module. In terms of storage, IGT-30 series has dual microSDHC slots, one internal and one external. This design allows users to separate system/ user data and can expedite in OS deployment for mass production. Inherited from IGT-20, IGT-30 series provides six LED indicators and two function buttons that can be programmed by users. The function buttons can act as controls for IGT-30 series and exclude the need for external input devices, such as keyboard/ mouse.

SPECIFICATIONS

Depth	79 mm
Hard Drive Interface - Mini-Pcie	1x full size mPCIe (USB)
Height	104 mm
I / O Ports - Connection	8+2 channel isolated digital I/O
I / O Ports - Ethernet Port	2x 10/100 LAN
I / O Ports - Serial	1x configurable RS-232/422/485
I / O Ports - USB	1x USB2.0
Interface	2x user programmable button, 1x Power, 1x Reset
Memory RAM	1 GB
Mounting	DIN-rail mount

Operating	Debian 9
Poe Capacity	IEEE 802.3at PoE+ PD (Powered Device)
Power supply	12-25V DC, PoE+ PD
Processor	TI Sitara AM3352 1GHz
Remote control	Console port (RS-232) or Ethernet (SSH)
Supply Voltage DC Max	25 V DC
Supply Voltage DC Min	10 V DC
Temperature range bearing, from	-40 °C
Temperature range bearing, to	80 °C
Temperature range from	-25 °C
Temperature range to	70 °C
Type of memory	DDR3L SDRAM
Weight	0.5 kg
Width	41 mm