

## 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

Neosys 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

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

<b>Operating</b>	Debian 9
<b>Poe Capacity</b>	IEEE 802.3at PoE+ PD (Powered Device)
<b>Power supply</b>	12-25V DC, PoE+ PD
<b>Processor</b>	TI Sitara AM3352 1GHz
<b>Remote control</b>	Console port (RS-232) or Ethernet (SSH)
<b>Supply Voltage DC Max</b>	25 V DC
<b>Supply Voltage DC Min</b>	10 V DC
<b>Temperature range bearing, from</b>	-40 °C
<b>Temperature range bearing, to</b>	80 °C
<b>Temperature range from</b>	-25 °C
<b>Temperature range to</b>	70 °C
<b>Type of memory</b>	DDR3L SDRAM
<b>Weight</b>	0,5 kg
<b>Width</b>	41 mm

Unit : mm

