M2M IoT NETWORK PROCESSOR PRO SERIES

6LoWPAN EDGE ROUTER

The Genesys M2M IoT Network Processor Pro series are industrial-grade NetComm Wireless* NTC-6908, NTC-6200 or NTC-40WV modems fitted with custom software developed by Genesys to implement a configurable common data abstraction model that allows any type of IOT device with any physical interface or communications channel to be made interoperable with any other device. This allows M2M functions such as logical grouping, bridging, tunnelling and scripting to be implemented seamlessly across an entire M2M system.

MACHINE LOGIC & SERVICE ENGINE

Functionality such as central integration, interoperability, configuration and management of disparate machines and machine interfaces is included in the Network Processor Series. This functionality could be used to avoid the need to deploy an on-site computer.

WEB SERVING

The Network Processor Series includes built web server capabilities for user interface presentation to mobile devices and PCs.

CLOUD COMMUNICATIONS

The Network Processor enables communications with Cloud based and other servers for data gathering, monitoring and control.

CUSTOM APPLICATIONS

Save time and money by avoiding the need to build customised application software, the Network Processor includes capabilities for custom configuration of the very flexible common data abstraction model. However, customised software applications can be developed to run on the NetComm Wireless platform.

PRO MODEL: NETCOMM WIRELESS NTC-6908 (200P)

PRO+ MODEL: NETCOMM WIRELESS NTC-6200 (201P)

PRO++ MODEL: NETCOMM WIRELESS NTC-40WV (202P)

*Genesys is an accredited NetComm Wireless developer, using NetComm Wireless’ SDK. Please refer to the following pages for more information:
  - [http://www.netcommwireless.com/product/m2m/ntc-6200](http://www.netcommwireless.com/product/m2m/ntc-6200)
  - [http://www.netcommwireless.com/product/m2m/ntc-40w](http://www.netcommwireless.com/product/m2m/ntc-40w)
**M2M IoT NETWORK PROCESSOR PRO (NETCOMM NTC-6908) SPECIFICATIONS**

**CPU & MEMORY**
400Mhz ARM9 CPU with 64MB DRAM
256MB NAND Flash Storage

**PEAK DATA SPEED**
3G HSDPA/HSUPA: 7.2 Mbps/5.76Mbps
3G HSPA/UMTS and 2G GSM/EDGE bands supported

**CONNECTIVITY**
1 RJ-45 10/100Base-TX Port, supporting LAN/WAN
1 DB9 Serial Port supporting RS-232/485/422

**ADMINISTRATION & CONFIGURATION**
Web-based user interface with backup and restore
Telnet/SSH command line interface
SNMP v1 and v2 including cellular specific MIB
TR-069 client for remote device configuration
Advanced diagnostics & control via SMS

**ENVIRONMENT**
Operating Temperature Range: -30°C ~ +70°C

**POWER SUPPLY**
DC power (8-28V) via DC-in port

**DIMENSIONS**
127mm (L) x 103mm (W) x 29mm (D), 240g

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**M2M IoT NETWORK PROCESSOR PRO+ (NETCOMM NTC-6200) SPECIFICATIONS**

**CPU & MEMORY**
400Mhz ARM9 CPU with 64MB DDR2 RAM
256MB NAND Flash Storage

**PEAK DATA SPEED**
3G HSDPA/HSUPA: 14.4 Mbps/5.76Mbps
3G HSPA/UMTS and 2G GSM/EDGE bands supported

**CONNECTIVITY**
1 RJ-45 10/100Base-TX Port
1 DB9 Serial Port supporting RS-232/485/422
1 Mini USB 2.0 OTG interface (0.5A)

**ADMINISTRATION & CONFIGURATION**
Web user interface with backup and restore
Telnet/SSH command line interface
SNMP v1 and v2 including cellular specific MIB
TR-069 client for remote device configuration
Advanced diagnostics & control via SMS

**ENVIRONMENT**
Operating Temperature Range: -20°C ~ +70°C
Storage Temperature Range: -20°C ~ +70°C

**POWER SUPPLY**
DC power (8-40V) via termination block or PoE
Power consumption: 6W

**DIMENSIONS**
143mm (L) x 107mm (W) x 34mm (D), 221g

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**M2M IoT NETWORK PROCESSOR PRO++ (NETCOMM NTC-40WV) SPECIFICATIONS**

**CPU & MEMORY**
400Mhz ARM9 CPU with 128MB DDR2 RAM
256MB NAND Flash Storage

**PEAK DATA SPEED**
3G HSDPA/HSUPA: 21 Mbps/5.76Mbps
3G HSPA/UMTS and 2G GSM/EDGE bands supported

**CONNECTIVITY**
1 RJ-45 10/100Base-TX Port
1 Mini USB 2.0 console port

**WIRELESS CONNECTIVITY**
IEEE 802.11b/g/n Wi-Fi (2.4Ghz)
WEP 64- and 128-bit, WPA, WPA2, TKIP, AES, Multiple SSID security features
Lockable SIM card reader

**ADMINISTRATION & CONFIGURATION**
Web-based user interface with backup and restore
Telnet/SSH command line interface
SNMP v1 and v2 including cellular specific MIB
TR-069 client for remote device configuration
Advanced diagnostics & control via SMS

**ENVIRONMENT**
Max Operating Temperature Range: -25°C ~ +75°C

**POWER SUPPLY**
DC power (8-28V) via DC-in port

**DIMENSIONS**
155mm (L) x 104mm (W) x 30mm (D), 300g