



## Overview

**VILINK new M2M equipment:** The VILINK GSD320 is a reliable, security **machine to machine terminal** device for transferring data on GPRS public network. It is an intelligent high speed GPRS IP data modem with high power industrial 16/32 bits CPU and embedded real time operation system software for easy programming, configuration and customization.

The GSD320 provides high speed wireless internet access with TCP/IP/UDP standard protocols and supports multi data centers (up to 5 centers at the same time), multi online trigger ways including SMS, ring and data. It also supports APN/VPDN, DDNS and IP access. The modem provides a DB9 male for direct RS-232/485/422 connection to the end user equipment. In addition, the GSD320 extended working temperature with NEMA Temperature requirement is an idea solution for M2M applications.

Applications include Remote Monitor and Control for Traffic Control System, Metro and railroad Systems, Oil & Gas SCADA System, Utility Management, Hospital and Health Care System, Campus and Premise Networks, Military applications or anything requiring Remote Monitor and Control performance.

## Features

- *Industrial Standards: GPRS IP Modem*
- *Support Frequency: 850/900/1800/1900MHz*
- *High Powered Industrial 16/32 bits CPU*
- *Bandwidth 85.6 Kbps*
- *Support APN, VPDN, DDNS*
- *Data Interface RS-232/485/422 W/ 15 KV ESD*
- *SIM/UM port with 15 KV ESD Protection*
- *Support Multi Data Centers (Up to 5 at the Same Time)*
- *Internet support: TCP/IP/UDP*
- *Support TCP Server and Multi TCP Client*
- *Support Double Data Centers ( Main Center and Back Up)*
- *Provide Management Software for Remote Management*
- *Industrial NEMA Temperature*

## Applications

- *Traffic Control Applications*
- *Water Conservancy Applications*
- *Utility Control System*
- *Hospital services Monitors and Controls*
- *Oils and Gas SCADA Applications*
- *Metro and Railroads*
- *Environmental protection*
- *Campus and Public Security*

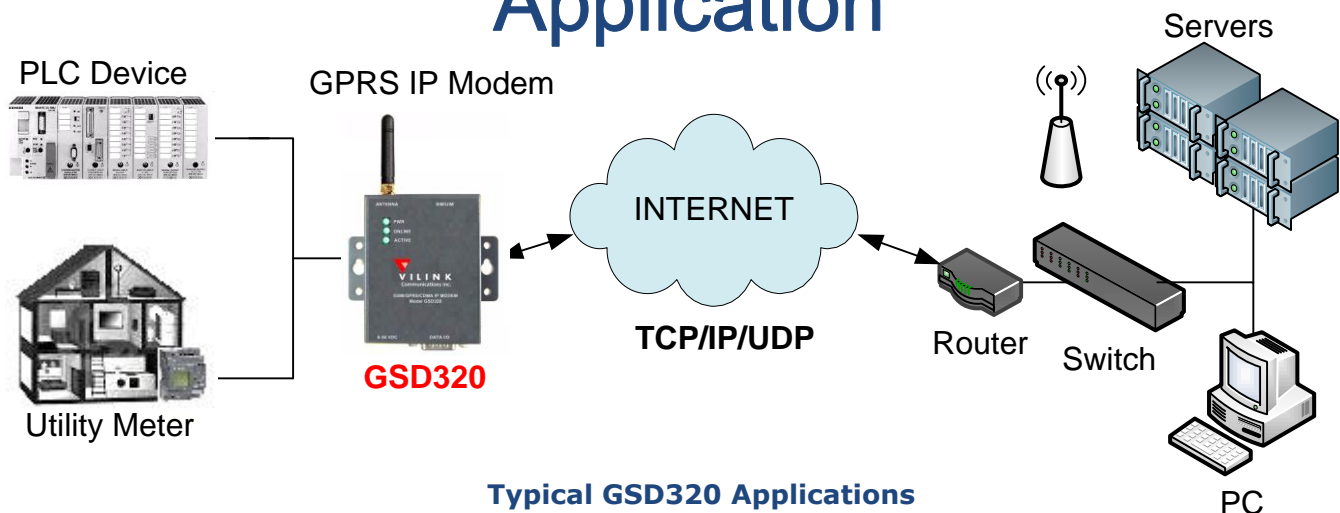
## Ordering Information

Model	Descriptions
GSD320	GPRS Cellular IP Modem GMS 850/900/1800/1900 MHz, RS-232/485/422 *** Please Consult Factory for Additional Model Numbers***

<b>System:</b>	
CPU	Industrial 16/32 Bits
FLASH	1 MB Expandable
SRAM	512KB Expendable
Antenna	50 Ohms SMA Female
SIM/UIM	1.8V/3V Card 15KV Protection
Indicators	Pwr, Online, Active
<b>Frequency Bands:</b>	
Standard	850/900/1800/1900Mhz
Compliance	GSM Phase 2/2+ GPRS Class 10, Class 12 (option)
<b>Antenna:</b>	
TX Power	>33 dBm @ GSM 850/900 >30 dBm @ GSM 1800/1900
RX Sensitivity	< -107 dBm
Bandwidth	85.6 Kbps
<b>Power:</b>	
AC to DC Adaptor	12 VDC @0.5A
<b>Environment:</b>	
Operating	-34 <sup>0</sup> C to +74 <sup>0</sup> C
Storage	-40 <sup>0</sup> C to + 95 <sup>0</sup> C
Humidity	98% Non-Condensing

<b>IP Modem Data Interface:</b>	
Port	RS-232/485/422, 15KV Protection
Speed	110 bps to 230.4 Kbps
Data Bits	5, 6, 7 8
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Connector	Male DB9
<b>Management Software:</b>	
Internet	TCP/IP or UDP
Support	TCP Server and Multi TCP Client
	Double Data Centers One Main and One Backup Center. Multi Data Centers, up to 5 Centers at the same time. Multi Online Trigger Ways, including SMS, Ring and Data. Link Disconnection when timeout. Dynamic Domain Name (DDNS) and IP Access to Data Center.
Support	AVN/VPDN
	Hardware and Software WDT. Auto Recover Mechanism, including Online Detect, Auto Redial Offline to make it Online.
Support	Low Consumption Mode, including Sleep Mode, Schedule Online/Offline Mode,
Provide	Software for Remote Management
<b>Physical:</b>	
Standalone	4" x 1" x 2.5" IP30 Protection

## Application



Typical GSD320 Applications