

*Machine Talking  
within  
SMB Intranet*

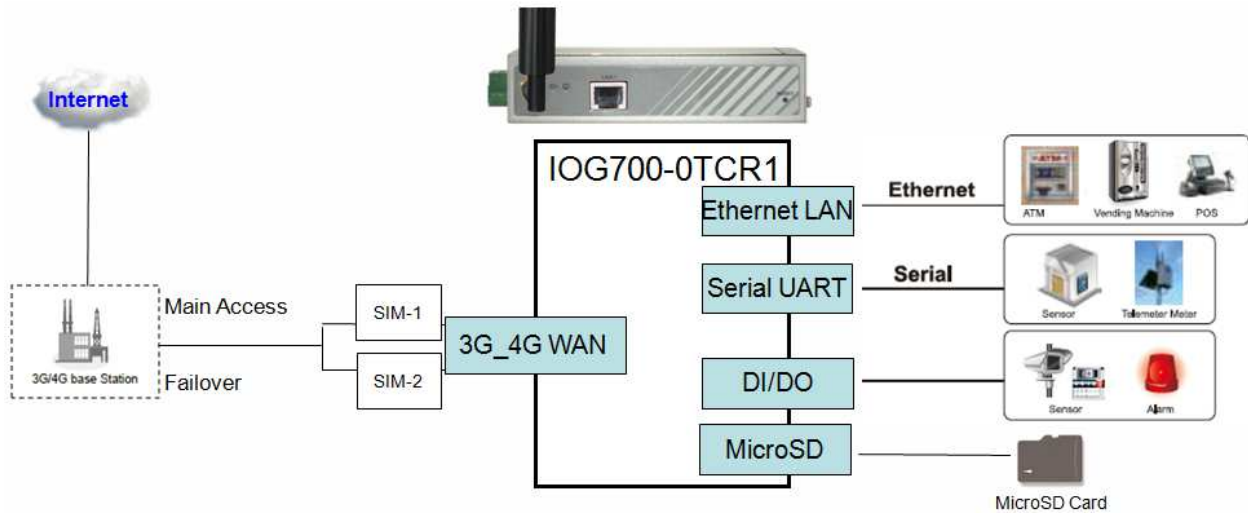


## M2M-IoT Cellular Gateway IOG700-0TCR1 MachTalk Series

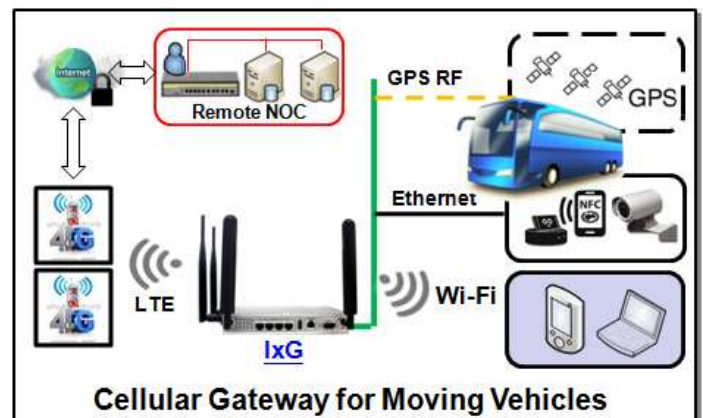
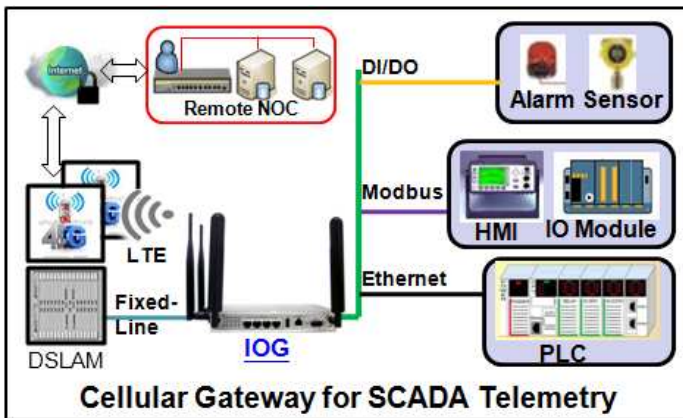
### Feature Sets:

- M2M-IoT Cellular Gateway for SCADA Telemetry, and Tele-service applications.
- 1x embedded LTE module with dual-SIM failover for reliable and efficient access.
- 1xFE LAN port with tag based and port based VLANs easily to group control and relocate traffic pattern.
- 1x RJ12 (RS232/RS485) for various serial applications, and DI/DO for device triggering or event reporting.
- 1x MicroSD slot for recording optional device event and status logs in an add-on MicroSD storage card.
- Fully protocol stack for both IPv4/IPv6, afford 128 users and 50,000 concurrent sessions.
- IPSec, PPTP, and L2TP VPN support up to 8 concurrent tunnels with max 70Mbps throughput (IPSec).
- Firewall with SPI and IPS prevent hacker attacking and enhance network efficiency.
- SNMP, Telnet CLI, and TR069 for administrator to manage system.
- QoS and Bandwidth management for optimal bandwidth usage.
- Seamless power failover between redundant 9-48V DC input.

### Connection Diagram:



### Application Diagrams:





## Specifications<sup>1</sup>:

### Device Interfaces

WAN	1x embedded LTE (dual SIM),
LAN	1 x RJ45 FE
Expansion	2xSIM Slot, 1xRJ12 (RS232/RS485), 1xDI, 1xDO 1xMicroSD Slot
3G/4G Band <sup>2</sup> :	LTE: 800/900/1800/2600 MHz, UMTS: 900/2100 MHz
Antenna	2x 3dBi detachable ant. (3G/4G)
Power Source	Dual DC9V~48V

### WAN Functions

WAN:	3G/4G WAN, Dual-SIM Failover
3G/4G:	NDIS for 3G/4G
IPv6:	6-in-4, 6-to-4

### Basic Functions

Ethernet:	LAN IP, Subnet Mask
VLAN:	Port-based, Tag-based
NAT:	ALG, Special AP, DMZ Host, Virtual Server/ Computer, PPTP/L2TP/IPSec Pass Through
Routing:	Static, Dynamic: RIP1/RIP2, OSPF, BGP
Client&Server:	DHCP, DDNS, IGMP

### Management

System:	Web, Telnet CLI, SNMP, SMS, TR-069
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### Advanced Functions

Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	Packet Filters, URL Blocking, MAC Address Control
QoS & BWM:	Policy-based Bandwidth Control and Packet Flow Prioritization based on MAC/VLAN Tag/ IP/DSCP/TCP/UDP/Well-known Service/ Group
VPN Tunneling:	IPSec, PPTP, L2TP, GRE VPN Tunneling with Full Tunnel, Tunnel Failover, Tunnel Load Balance, L2TP over IPSec, and Smart Conf. Capabilities
VPN Scenario:	Site to Site, Site to Host, Host to Site, Host to Host, and Dynamic VPN
VPN Capability:	IPSec: up to 8 tunnels
Redundancy:	VRRP

### Applications

Mobile:	SMS, USSD, Network Scan
Serial:	Virtual COM, Ethernet to COM Bridge, Modbus
DIDO:	Digital input, Digital output
Storage:	I/O Status Records, Device/Event/Configuration Log File

### Systems

System:	Status & Statistics, Tools, Scheduling, FW Upgrade, Backup & Restore Settings
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### Environment

Operation Temp.:	-20 °C ~ 60 °C
Storage Temp.:	-40 °C ~ 85 °C
Humidity:	10% ~ 95% (non-condensing)

1. Specifications are subject to change without advanced notice.  
2. Supported frequency band is dependent upon regional hardware version.

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