

## APPLICATIONS



- SMART OFFICES
- VIDEO SURVEILLANCE
- INDUSTRIAL AUTOMATION
- TRAFFIC APPLICATIONS
- ROBOTS
- DIGITAL MEDIA IMPLEMENTATIONS

## FEATURES

### SUPPORT GLOBAL 5G

NSA&SA/4G LTE/WCDMA network, enables up to 2.5 Gbps download speeds

### PLUG AND PLAY

provide lightning transmission via Gigabit Ethernet port or USB 3.0

### EMBEDS HARDWARE WATCHDOG

to automatically recover from various failure, ensure highest level of availability

### WIDE OPERATING TEMPERATURE RANGE

from -20°C to 50°C and industrial design for harsh environment

- EASY TO DEPLOY ANYWHERE  
with compact size, suit for embedded installation
- IPTABLES FIREWALL AND VPN TUNNELS  
to ensure security data transmission
- WEB GUI AND CLI  
simple management and quick configuration among a large quantity of devices
- DEVICEHUB  
provides remote monitoring, bulk configuration, and centralized management

### OPTIONAL POWER SUPPLY

USB or DC



# 5G Series UF31 5G Dongle

## SPECIFICATIONS

### Hardware System

CPU	Quad-core ARM Cortex-A55, 2 GHz
Memory	1 GB LPDDR4X RAM and 1 GB NAND Flash

### Cellular Interface

Network	5G NR SA&NSA/4G LTE/WCDMA
Frequency	5G Sub-6: N1/N3/N5/N7/N8/N20/N28/N38/N40/N41/N77/N78/N79 LTE FDD: B1/B3/B5/B7/B8/B18/B19/B20/B28/B32 LTE TDD: B38/B40/B41/B42/B43/B46 WCDMA: B1/B5/B8
Antenna Connector	4 × 50 Ω SMA Connectors (Center PIN: SMA Female)
SIM Slot	1 (Micro SIM-3FF)

### Ethernet Interface

Numbers	1 × 10/100/1000 Mbps LAN Port
Mode	Full or Half Duplex (Auto-Sensing)

### GNSS

Antenna Connector	1 × 50 Ω SMA Connector (Center PIN: SMA Female)
Technology	GPS/GLONASS/Beidou/Galileo/QZSS

### Others

USB	1 × USB 3.0 (Type-C) for Power Supply, Network Supply and Debug
Reset Button	Reset Button
LED Indicators	1 × STATUS, 1 × Cellular Network
Built-in	Watchdog, Timer

### Software

Network Protocols	IPv4/IPv6, TCP, UDP, DHCPv4/DHCPv6, HTTP, HTTPS, DNS, ARP, Telnet, SSH, etc
Security	Access Control, Port Mapping, Custom Rules



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Management Web, CLI, DeviceHub

## Power Supply

Power Input 1. 5-24 VDC, with Surge-Protection and Reverse Polarity Protection  
2. 5V/3A by USB Type-C Port

Power Connector 2-pin 3.5 mm Terminal Block

## Physical Characteristics

Ingress Protection IP30

Housing & Color Metal, Black

Dimensions 90 x 72 x 15 mm (3.54 x 2.83 x 0.59 in)

Installation Desktop, Wall Mounting, DIN Rail Mounting

## Environmental

Operating Temperature -20°C to +50°C (-4°F to +122°F)

Storage Temperature -40°C to +85°C (-40°F to +185°F)

Ethernet Isolation 1.5 kV RMS

Relative Humidity 0% to 95% (Non-condensing) at 25°C/77°F

3/3

 017 299 6500

 C-8-2, Blok C, Setia Walk, Persiaran Wawasan,  
Pusat Bandar Puchong, 47160 Puchong, Selangor,  
Malaysia.

 [info@ipsec.com.my](mailto:info@ipsec.com.my)

 <https://www.ipsec.com.my>