

# E200 Series



## Cellular / WAN / LAN / Wi-Fi / M2M router

With high-speed cellular (3G and beyond), WAN, LAN and Wi-Fi connectivity, the E200 is a highly versatile, reliable and rugged router designed for mission-critical enterprise applications requiring faultless connectivity.

The E200 comes in two models: the cost-effective HSDPA ensures always-on connectivity for 2G migration or low-latency applications such as Energy and Sales & Payment, while the 4-band HSPA+ is ideal for deployment in vertical markets requiring high-speed or global roaming such as Security and Transportation.

## Key features

- ✓ Cellular / WAN / LAN / Wi-Fi
- ✓ WAN failover and load balancing
- ✓ Access Point mode with multiple SSID's
- ✓ Supports PPTP and OpenVPN
- ✓ GPS output and SMS event reporting
- ✓ Two digital I/Os
- ✓ Wide 9VDC ~ 60VDC power input
- ✓ User-friendly GUI
- ✓ D2Sphere device management services

### Easy configuration

The E200 Series can be configured through an easy-to-use web interface; a configuration wizard will help the user setting up the router step-by-step and selecting their primary and failover networks.

## Target markets

- ✓ Failover / Business continuity
- ✓ Digital signage
- ✓ Sales & Payment
- ✓ Monitoring and Control



## Technical specifications

FEATURES	E205XT02	E205XT04	E206XT
<b>INTERFACES</b>			
Cellular interface	GSM / GPRS / EDGE / HSDPA		GSM / GPRS / EDGE / HSPA+ CDMA2000 1X / EV-DO Rev. A
GSM / GPRS / EDGE	850 / 900 / 1800 / 1900MHz		850 / 900 / 1800 / 1900MHz
CDMA2000 1X	-		800 / 1900MHz
HSDPA	900 / 2100MHz	800 / 850 / 2100MHz	800 / 850 / 1900 / 2100MHz
Downlink / Uplink	up to 3.6Mbps / 384kbps	up to 3.6Mbps / 384kbps	up to 14.4Mbps / 5.76Mbps
EV-DO Rev. A	-		800 / 1900MHz
SMA antenna connector (50Ω)	Cellular x 1 & GPS x 1		Cellular x 1 - Diversity and GPS x 1
LAN on RJ45 connector with Tx / Rx LEDs	✓		
WAN on RJ45 connector with Tx / Rx LEDs	Switchable to LAN 2		
Wi-Fi on RP-SMA antenna connector (50Ω)	✓		
4-pin Micro-Fit™ 3.0 (F) connector	2-pin 9VDC ~ 60VDC in 2-pin for configurable digital I/O x2 Digital input - detection at 3VDC, maximum 24VDC Digital output - open collector, maximum output 200 mA		
Reset button	✓		
<b>SOFTWARE</b>			
Administration / management	Web-based user interface, quick set-up wizard, console log viewer, save/load configuration NTP, SMS / OTA remote configuration, TR-069 capable		
Redundancy	Ethernet, cellular, Wi-Fi - Configurable as failover or load-balancing		
Security	Zone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN		
Resilience	Network connectivity watchdog (configurable), internal application watchdog		
Performance / fault management	Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-route, NS lookup		
Routing	DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NAT, STP		
VPN	PPTP client, Open VPN client / server / pass-through		
Wi-Fi	IEEE 802.11b/g/n 1T1R (max. 150Mbps throughput) Client or Access Point, multiple SSID		
- Security	WEP, WPA, WPA-PSK/WPA2-PSK		
M2M services	GPS NMEA output (local and remote), SMS based event reporting		
<b>GENERAL</b>			
Material	Brushed aluminum alloy, DIN Rail mountable		
Dimension without connectors	84 x 60 x 25mm		
Weight	90g		
Operating temperature range	-10°C ~ +55°C		
Operating status LEDs x 6	Alert / Power / Cellular signal, network & activity / Wi-Fi		
SIM interface (2FF)	SIM 1.8V / 3.0V		SIM & R-UIM 1.8V / 3.0V
Embedded SIM (MFF2) available upon request	✓		
<b>CERTIFICATIONS AND APPROVALS</b>			
Regulatory	CE / A-Tick		FCC / PTCRB
Carrier approvals	-	Telstra / NTT docomo	AT&T / Verizon

<b>ORDERING INFORMATION</b>			
Device part number	E205XT02	E205XT04 / E205XT04NTT	E206XT
Evaluation kit part number	E205XT02-B	E205XT04-B / E205XT04NTT-B	E206XT-B
<b>STANDARD ACCESSORIES / EVALUATION KIT CONTENT</b>			
ACC-A21	Dual-band 2.4/5.8GHz - Dipole antenna, hinged - RP-SMA(M)		
ACC-A22	Ultra wide-band 698~960/1575.42/1710~2700Mhz L-shape antenna, hinged - SMA(M)		
ACC-CA10	4-pin Micro-Fit™ 3.0 (M) to stripped wire with 2.5A fuse - cable length = 1000mm		
ACC-CA29	RJ45 (M) to RJ45 (M) cross cable - cable length = 1000mm		
ACC-PS01	4-pin Micro-Fit™ 3.0 (M), 1.2A power adaptor with Europlug 2-pin plug - Europe		
ACC-PS09	4-pin Micro-Fit™ 3.0 (M), 1.2A power adaptor with NEMA 2-pin plug - America		
ACC-PS10	4-pin Micro-Fit™ 3.0 (M), 1.2A power adaptor with AS 3112 3-pin plug - Australia and New-Zealand		
ACC-PS11	4-pin Micro-Fit™ 3.0 (M), 1.2A power adaptor with BS1363 3-pin plug - UK		
ACC-DIN	Metal DIN rail clip		



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