



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

With high-speed cellular (3G and beyond), wired 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 HSPA+ 4-band is ideal for deployment in vertical markets requiring high-speed or global roaming such as security and transportation.

# Key features

- ✓ Cellular / wired WAN / LAN / Wi-Fi
- ✓ WAN failover and load-balancing
- ✓ Access-Point mode with multiple SSID's
- ✓ Support PPTP and OpenVPN
- ✓ GPS output and SMS event reporting
- ✓ Wide 9-60VDC power input
- ✓ User-friendly GUI
- ✓ OTA configuration management

## Target markets

- ✓ Failover / Business continuity
- ✓ Digital signage
- ✓ Sales and payment
- ✓ Monitoring and control

#### 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 select their primary and failover network.

maestro









### **Technical specifications**

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       Resiliency     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       Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA       VPN     PPTP client, Open VPN client / server / pass-through	DO Rev. A 1 5,6 76Mbps Hz			
GSM / GPRS / EDGE   CDMA2000 1X / EV-D     GSM / GPRS / EDGE   Global 4-bands - 2,3,5,8     CDMA2000 1X   -   2-bands - 0,7     HSDPA   2-bands - 1,8   3-bands - 1,5,6   4-bands - 1,2,5     Downlink / Uplink   up to 3.6Mbps / 384kbps   up to 14.4Mbps / 5.3   800 / 1900MH     SMA antenna connector (50Ω)   Cellular x 1 & GPS x 1   Cellular x 1 - Diversity at 800 / 1900MH     SMA antenna connector (50Ω)   Cellular x 1 & GPS x 1   Cellular x 1 - Diversity at 800 / 1900MH     WAN on RJ45 connector with Tx / Rx LEDs   ✓   ✓     WAN on RJ45 connector with Tx / Rx LEDs   ✓   ✓     Wi-Fi on RP-SMA antenna connector (50Ω)   ✓   ✓     Wi-Fi on connector   2-pin 9V ~ 60V DC in   Reset button     SoFTWARE   ✓   SoFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configure NTP, SMS / OTA remote configuration, TR-069 capable   Redundancy     Redundancy   Ethernet, cellular, Wi-Fi - Configurable as failover or load-balancing   Zone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN     Resiliency   Network connectivity watchdog (configurable), internal application watchdog   Performance / fault manag	DO Rev. A 1 5,6 76Mbps Hz			
GSM / GPRS / EDGE Global 4-bands - 2,3,5,8   CDMA2000 1X - 2-bands - 0,7   HSDPA 2-bands - 1,8 3-bands - 1,5,6 4-bands - 1,2,5   Downlink / Uplink up to 3.6Mbps / 384kbps up to 3.6Mbps / 384kbps up to 14.4Mbps / 5.   EV-D0 Rev. A - 800 / 1900MH   SMA antenna connector (50Ω) Cellular x 1 & GPS x 1 Cellular x 1 - Diversity a   LAN on RJ45 connector with Tx / Rx LEDs ✓    WAN on RJ45 connector (50Ω) ✓    WiFo-Fit <sup>M</sup> 4-pin connector (50Ω) ✓    Micro-Fit <sup>M</sup> 4-pin connector (50Ω) ✓    Micro-Fit <sup>M</sup> 4-pin connector 2-pin 9V ~ 60V DC in Reset button   Reset button ✓    SOFTWARE  ✓   Administration / management Web-based user interface, quick set-up wizard, console log viewer, save/load 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   Resiliency Network connectivity watchdog (configurable), internal application watchdog   Performance / fault management Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-router   Routing DHCP, static rou	1 5,6 76Mbps Hz			
CDMA2000 1X   -   2-bands - 0,2     HSDPA   2-bands - 1,8   3-bands - 1,5,6   4-bands - 1,2,5     Downlink / Uplink   up to 3.6Mbps / 384kbps   up to 3.6Mbps / 384kbps   up to 14.4Mbps / 5.2     EV-DO Rev. A   -   800 / 1900MF     SMA antenna connector (50Ω)   Cellular x 1 & GPS x 1   Cellular x 1 - Diversity a     LAN on RJ45 connector with Tx / Rx LEDs   ✓      WAN on RJ45 connector with Tx / Rx LEDs   ✓      Wi-Fi on RP-SMA antenna connector (50Ω)   ✓      Micro-Fit <sup>™</sup> 4-pin connector   2-pin 9V ~ 60V DC in      Reset button   ✓       SOFTWARE    ✓      Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configure 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     Resiliency   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	5,6 76Mbps Hz			
HSDPA2-bands - 1,83-bands - 1,5,64-bands - 1,2,5Downlink / Uplinkup to 3.6Mbps / 384kbpsup to 3.6Mbps / 384kbpsup to 14.4Mbps / 5.EV-DO Rev. A-800 / 1900MHSMA antenna connector (50Ω)Cellular x 1 & GPS x 1Cellular x 1 - Diversity aLAN on RJ45 connector with Tx / Rx LEDs✓WAN on RJ45 connector with Tx / Rx LEDs✓Wi-Fi on RP-SMA antenna connector (50Ω)✓Micro-Fit™ 4-pin connector2-pin 9V ~ 60V DC inReset button✓SOFTWAREAdministration / managementWeb-based user interface, quick set-up wizard, console log viewer, save/load configur NTP, SMS / OTA remote configuration, TR-069 capableRedundancyEthernet, cellular, Wi-Fi - Configurable as failover or load-balancingSecurityZone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN ResiliencyResel time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-routed RoutingPerformance / fault managementReal time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-routed RoutingPOTOP Client, Open VPN client / server / pass-through	5,6 76Mbps Hz			
Downlink / Uplinkup to 3.6Mbps / 384kbpsup to 3.6Mbps / 384kbpsup to 14.4Mbps / 5.EV-DO Rev. A-800 / 1900MłSMA antenna connector (50Ω)Cellular x 1 & GPS x 1Cellular x 1 - Diversity aLAN on RJ45 connector with Tx / Rx LEDs✓WAN on RJ45 connector with Tx / Rx LEDs✓WAN on RJ45 connector (50Ω)✓Wi-Fi on RP-SMA antenna connector (50Ω)✓Micro-Fit™ 4-pin connector2-pin 9V ~ 60V DC inReset button✓SOFTWARE✓Administration / managementWeb-based user interface, quick set-up wizard, console log viewer, save/load configur- NTP, SMS / OTA remote configuration, TR-069 capableRedundancyEthernet, cellular, Wi-Fi - Configurable as failover or load-balancingSecurityZone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PINResiliencyNetwork connectivity watchdog (configurable), internal application watchdogPerformance / fault managementReal time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-routeRoutingDHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NAVPNPPTP client, Open VPN client / server / pass-through	76Mbps Hz			
EV-DD Rev. A   -   800 / 1900MH     SMA antenna connector (50Ω)   Cellular x 1 & GPS x 1   Cellular x 1 - Diversity a     LAN on RJ45 connector with Tx / Rx LEDs   ✓     WAN on RJ45 connector with Tx / Rx LEDs   ✓     WAN on RJ45 connector with Tx / Rx LEDs   ✓     Wi-Fi on RP-SMA antenna connector (50Ω)   ✓     Micro-Fit <sup>™</sup> 4-pin connector   2-pin 9V ~ 60V DC in     Reset button   ✓     SOFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configurent 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     Resiliency   Network connectivity watchdog (configurable), internal application watchdog     Performance / fault management   Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-router     Routing   DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, N/     VPN   PPTP client, Open VPN client / server / pass-through	Hz			
SMA antenna connector (50Ω)   Cellular x 1 & GPS x 1   Cellular x 1 - Diversity at LAN on RJ45 connector with Tx / Rx LEDs     WAN on RJ45 connector with Tx / Rx LEDs   ✓     WAN on RJ45 connector with Tx / Rx LEDs   Switchable to LAN     Wi-Fi on RP-SMA antenna connector (50Ω)   ✓     Micro-Fit <sup>™</sup> 4-pin connector   2-pin 9V ~ 60V DC in     Reset button   ✓     SOFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configurent 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     Resiliency   Network connectivity watchdog (configurable), internal application watchdog     Performance / fault management   Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-router Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA     VPN   PPTP client, Open VPN client / server / pass-through				
LAN on RJ45 connector with Tx / Rx LEDs   ✓     WAN on RJ45 connector with Tx / Rx LEDs   Switchable to LAN     Wi-Fi on RP-SMA antenna connector (50Ω)   ✓     Micro-Fit <sup>™</sup> 4-pin connector   2-pin 9V ~ 60V DC in     Reset button   ✓     SOFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configurent     Redundancy   Ethernet, cellular, Wi-Fi - Configurable as failover or load-balancing     Security   Zone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN     Resiliency   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     Routing   DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, N/     VPN   PPTP client, Open VPN client / server / pass-through	and GPS x 1			
WAN on RJ45 connector with Tx / Rx LEDs   Switchable to LAN     Wi-Fi on RP-SMA antenna connector (50Ω)   ✓     Micro-Fit™ 4-pin connector   2-pin 9V ~ 60V DC in     Reset button   ✓     SOFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configure 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     Resiliency   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     Routing   DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA     VPN   PPTP client, Open VPN client / server / pass-through				
Wi-Fi on RP-SMA antenna connector (50Ω)   ✓     Micro-Fit™ 4-pin connector   2-pin 9V ~ 60V DC in     Reset button   ✓     SOFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configurent     Redundancy   Ethernet, cellular, Wi-Fi - Configurable as failover or load-balancing     Security   Zone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN     Resiliency   Network connectivity watchdog (configurable), internal application watchdog     Performance / fault management   Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-router     Routing   DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, N/     VPN   PPTP client, Open VPN client / server / pass-through				
Micro-Fit™ 4-pin connector   2-pin 9V ~ 60V DC in     Reset button   ✓     SOFTWARE   ✓     Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configur NTP, SMS / OTA remote configuration, TR-069 capable     Redundancy   Ethernet, cellular, Wi-Fi - Configurable as failover or load-balancing Security     Resiliency   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 Routing   DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA     VPN   PPTP client, Open VPN client / server / pass-through				
Reset button   ✓     SOFTWARE   Administration / management   Web-based user interface, quick set-up wizard, console log viewer, save/load configure 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     Resiliency   Network connectivity watchdog (configurable), internal application watchdog     Performance / fault management   Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-routed     Routing   DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA     VPN   PPTP client, Open VPN client / server / pass-through				
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Administration / management     Web-based user interface, quick set-up wizard, console log viewer, save/load configurent       NTP, SMS / OTA remote configuration, TR-069 capable     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       Resiliency     Network connectivity watchdog (configurable), internal application watchdog       Performance / fault management     Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-routed       Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA       VPN     PPTP client, Open VPN client / server / pass-through				
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Security     Zone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN       Resiliency     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       Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NJ       VPN     PPTP client, Open VPN client / server / pass-through	NTP, SMS / OTA remote configuration, TR-069 capable			
Resiliency     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       Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA       VPN     PPTP client, Open VPN client / server / pass-through	Ethernet, cellular, Wi-Fi - Configurable as failover or load-balancing			
Performance / fault management     Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-route       Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NA       VPN     PPTP client, Open VPN client / server / pass-through	Zone based firewall, VLAN, DMZ, HTTPS local and remote connection, SIM PIN			
Routing     DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NJ       VPN     PPTP client, Open VPN client / server / pass-through	Network connectivity watchdog (configurable), internal application watchdog			
VPN PPTP client, Open VPN client / server / pass-through	Real time processor load and interface (WAN / LAN / Wi-Fi), traffic analysis, ICMP, trace-route, NS lookup			
	DHCP, static routing, port-forwarding, traffic routing, static/dynamic DNS, DNS proxy, NAT, STP			
Wi-Fi IEEE 802.11b/g/n 1T1R (max, 150Mbps throughput) Client or Access-Point, multiple S	PPTP client, Open VPN client / server / pass-through			
	IEEE 802.11b/g/n 1T1R (max. 150Mbps throughput) Client or Access-Point, multiple SSID			
- Security WEP, WPA, WPA-PSK/WPA2-PSK	WEP, WPA, WPA-PSK/WPA2-PSK			
M2M services GPS NMEA output (local and remote), SMS based event reporting	GPS NMEA output (local and remote), SMS based event reporting			
GENERAL				
Material Brushed aluminum alloy, DIN Rail mountable	Brushed aluminum alloy, DIN Rail mountable			
Dimension without connectors 84 x 60 x 25mm	84 x 60 x 25mm			
Weight 90g	90g			
Operating temperature range $-10^{\circ}\text{C} \sim +55^{\circ}\text{C}$	-10°C ~ +55°C			
Operating status LEDs x 6 Alert / Power / Cellular signal, network & activity / Wi-Fi	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	1			
CERTIFICATIONS AND APPROVALS				
Regulatory CE / A-Tick FCC / PTCRB				
Carrier approval - Telstra / NTT docomo AT&T / Verizo	,			

ORDERING INFORMATION					
Device part number	E205XT02	E205XT04 / E205XT04NTT	E206XT		
Starter kit part number	E205XT02-B	E205XT04-B / E205XT04NTT-B	E206XT-B		
STANDARD ACCESSORIES / EVALUATION KIT CONTENT					
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 <sup>™</sup> 3.0 (M) to stripped wire with 2.5A fuse - cable length = 1000m				
ACC-CA29	RJ45 (M) to RJ45 (M) cross cable - cable lenght = 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 <sup>™</sup> 3.0 (M), 1.2A power adaptor with NEMA 2-pin plug - America				
ACC-PS10	4-pin Micro-Fit <sup>™</sup> 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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### **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Maestro Wireless:

E205XT02 E205XT02-B E205XT04 E205XT04-B E206XT-B E206XT