



	SMARTMAX	Intermax - EM-770W INT	MODMAX - MM-6280 IND	UNIMAX
<b>General Features</b>				
<b>Product Description</b>	Serial Modem	Serial Modem	Serial Modem	Ethernet Router
<b>Chipset</b>	MSM6290	MSM6290	MSM6280	MSM6290
<b>SIM Application toolkit</b>	✓	✓	✓	✓
<b>SDK Support</b>	✓	x	x	✓
<b>Digital IO</b>	✓	x	✓	✓
<b>LED</b>	4	2	5	3
<b>Firmware Upgrade Over the Air</b>	✓	x	x	✓
<b>Save restore modem Configuration</b>	✓	✓	✓	✓
<b>Number of Profiles</b>	1	1	5	1
<b>External Antenna Connectivity</b>	✓	✓	✓	✓
<b>Remote SMS Diagnostic &amp; Reset</b>	✓	✓	✓	✓
<b>Remote SMS Network Configuration</b>	✓	x	x	✓
<b>In-Built Programmable Periodic Reset</b>	✓	✓	✓	✓
<b>VPN Server/Client</b>	✓	x	x	✓
<b>Dynamic DNS</b>	✓	x	x	✓
<b>Telnet Support</b>	✓	x	x	✓
<b>Fax Support</b>	x	x	x	x
<b>Voice support</b>	x	x	x	x
<b>Network</b>				
<b>Band</b>	HSUPA/HSDPA	HSUPA/HSDPA	HSDPA	HSUPA/HSDPA
<b>Band HSPA</b>	850MHz, 900MHz, 1900MHz, 2100MHz	850MHz, 900MHz, 1900MHz, 2100MHz	850/2100MHz	850MHz, 900MHz, 1900MHz, 2100MHz
<b>Band GSM/GPRS/EDGE</b>	850MHz, 900MHz, 1800MHz, 1900MHz	850MHz, 900MHz, 1800MHz, 1900MHz	Not Supported	850MHz, 900MHz, 1800MHz, 1900MHz



	<b>SMARTMAX</b>	<b>Intermax - EM-770W INT</b>	<b>MODMAX - MM-6280 IND</b>	<b>UNIMAX</b>
<b>Carriers Supported in Australia</b>	Telstra 3G 850MHz and GSM 900/1800MHz Optus GSM 900/1800 MHz and 3g 2100MHz Hutchison 3G 2100MHz Vodafone GSM 900/1800 and 3G 2100MHz	Telstra 3G 850MHz and GSM 900/1800MHz Optus GSM 900/1800 MHz and 3g 2100MHz Hutchison 3G 2100MHz Vodafone GSM 900/1800 and 3G 2100MHz	Telstra 3G 850MHz Optus 3G 2100MHz Hutchison 3G 2100MHz Vodafone 3G 2100MHz	Telstra 3G 850MHz and GSM 900/1800MHz Optus GSM 900/1800 MHz and 3g 2100MHz Hutchison 3G 2100MHz Vodafone GSM 900/1800 and 3G 2100MHz
<b>Data</b>				
<b>HSPA</b>	UL 2.0 Mbps /DL 7.2 Mbps	UL 2.0 Mbps /DL 7.2 Mbps	UL 384 Kbps /DL 7.2 Mbps	UL 2.0 Mbps /DL 7.2 Mbps
<b>WCDMA PS</b>	UL 384Kbps/DL 384Kbps	UL 384Kbps/DL 384Kbps	UL 384Kbps/DL 384Kbps	UL 384Kbps/DL 384Kbps
<b>GPRS/EDGE</b>	UL 236 Kbps / DL 236 Kbps	UL 236 Kbps / DL 236 Kbps	NA	UL 236 Kbps / DL 236 Kbps
<b>GSM CS</b>	(Release 2)	UL 9.6Kbps/DL 9.6Kbps	NA	UL 9.6Kbps/DL 9.6Kbps
<b>Protocols Supported</b>				
<b>DNP3 Pass through</b>	✓	✓	✓	✓
<b>Integrated DNP3</b>	✓	×	×	×
<b>Packet Switched Data</b>	✓	✓	✓	✓
<b>Circuit Switched Data</b>	✓	✓	✓	×
<b>Built-in IPStack</b>	✓	✓	✓	✓
<b>TCP Server</b>	✓	✓	✓	The Host will need to initiate the socket connection, it will pass through TCP/UDP and FTP
<b>TCP Client</b>	✓	✓	✓	
<b>UDP Server</b>	✓	×	✓	
<b>UDP Client</b>	✓	✓	✓	
<b>FTP Client</b>	✓	×	✓	
<b>2 Way SMS</b>	✓	✓	✓	✓ (Via Telnet)
<b>Interface</b>				
<b>USB</b>	Supported (Mini B)	Supported (Mini B)	Supported (Type B)	NA
<b>Ethernet RJ45</b>	(Release 2) (requires USB to Ethernet adaptor)	×	×	✓
<b>UART</b>	Supported (HD 15)	Supported (RJ45)	Supported (HD 15)	NA
<b>Ring Indicator</b>	✓	×	✓	×
<b>Data Set Ready Support</b>	×	×	×	×
<b>Diagnostics</b>	✓	×	×	✓
<b>External Antenna Connector</b>	FME Male	FME Male	SMA Female	FME Male
<b>Receive Diversity Antenna Connector</b>	×	×	✓	✓



	SMARTMAX	Intermax - EM-770W INT	MODMAX - MM-6280 IND	UNIMAX
<b>Digital IO</b>				
Digital Inputs	6	x	2	2
Digital Outputs	4	x	x	2
Analog Inputs	2	x	x	x
Pulse Input	1	x	x	x
<b>Power</b>				
Power Input	7 ~ 34 VDC	5 ~ 34VDC	9 ~ 36VDC	+ 9 - + 36 VDC
Idle Current @ 12V	45 mA	20~30mA @ 12 VDC	20~30mA @ 12 VDC	Under 250 mA @ 12 VDC
Maximum Current @ 12V	300 mA	250mA @ 12 VDC	400mA @ 12 VDC	Under 500 mA @ 12 VDC
Power Connector	Molex connector	Pin 1 on RJ45	Molex connector	Molex connector
<b>Mechanical</b>				
Dimensions	98 x 151 x 25.5 mm (with side bracket)	76 x 65 x 20 (mm)	110 x 70 x 21 (mm)	76 X 122 X 21 mm (with side bracket)
Weight	236 g	90 g	130 g	152 g
Casing	Aluminum	Plastic	Aluminum	Aluminum
DIN Rail mount option	x	✓	x	x
Side Mounting Brackets	Fixed	Removable	Fixed	Fixed
<b>Environmental Specifications</b>				
Operating Temperature	- 20 ~ + 60 [°C]	-10 ~ 60° C	-20°C ~+60°C	- 10 ~ + 65 [°C]
Storage Temperature	- 30 ~ + 80 [°C]	-20 ~ +70° C	-30°C ~ +70°C	- 40 ~ + 90 [°C]
Extreme Operating Temperature	- 25 ~ + 75 [°C]	-20 ~ +70° C	-30°C ~ +70°C	- 20 ~ + 70 [°C]
Humidity	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing	5% ~ 95% non-condensing
<b>Extended Features</b>				
Data Channel (+++,ATO in Packet Mode)	x	✓	✓	x
RM3 (UDP Diagnostics in Packet Mode)	x	x	✓	x
Ring Indicator Toggle on Receiving SMS	✓	x	x	x
+MMC SMSMO SMS Command	x	x	✓	x
SMS Voltage Alert	x	x	✓	x
Receive SMS message in data format	x	x	✓	x



	SMARTMAX	Intermax - EM-770W INT	MODMAX - MM-6280 IND	UNIMAX
<b>Operating System</b>				
Windows XP/Vista/7	✓	✓	✓	✓
Mac OSX	✓	✓	✓	✓
Linux	✓	✓	✓	✓
<b>Approvals</b>				
GCF	✓	✓	×	✓
PTCRB	✓	✓	×	✓
FCC	✓	✓	×	✓
CE	✓	✓	×	✓
ACA	✓	✓	✓	✓
<b>Compliance</b>				
RoHS Compliant	✓	✓	✓	✓