



7

Serial & Wireless Connectivity

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Serial & Wireless Connectivity

Serial Server

Serial-to-Ethernet

Anewtech serial servers are configurable, easy-to-use network devices that convert serial data into network data, providing the flexibility needed to meet a wide range of demanding application requirements. They consist of all the vital components required to provide full network connectivity to any device with a serial port: an optimized and robust TCP/IP protocol stack, remote management capabilities, and a variety of serial and network interface options.

In addition to providing TCP, UDP, SSH and SSL connectivity for network-aware applications, Digi's patented RealPort® technology delivers a fully transparent COM or TTY connection without any need for modifications to the existing software or hardware components in your application.



Model Name	Anewtech Port Server TS 1/2/4	Anewtech Port Server TS 1/2/4 MEI	Anewtech Port Server TS H MEI Family	Anewtech Port Server TS HAZ MEI	Anewtech Port Server TS M MEI	Anewtech Port Server TS P MEI	Anewtech ConnectPort™ TS 4x4
Serial Ports	1/2/4	1/2/4	1/2/4	1/2/4	1/3	1/2/4	4
Serial Connector	RJ-45	RJ-45	RJ-45	RJ-45	RJ-45	DB-9	RJ-45
Serial Type	RS-232	RS-232/422/485	RS-232/422/485	RS-232/422/485	RS-232/422/485	RS-232/422/485	RS-232/422/485
10/100BASE-T	x	x	x	x	x	x	x
BAUD	230KBPS	230KBPS	230KBPS	230KBPS	230KBPS	230KBPS	230KBPS
DHCP,RARP,STATIC IP,ARP-PING	x	x	x	x	x	x	x
TCP/UDP	x	x	x	x	x	x	x
MODBUS/TCP	x	x	x	x	x	x	x
TELNET/REVERSE TELNET	x	x	x	x	x	x	x
HTTP	x	x	x	x	x	x	x
HTTPS	x	x	x	x	x	x	x
SSHv2 Server, SSL/ TLS	x	x	x	x	x	x	x
SNMP	x	x	x	x	x	x	x
Port Buffering	x	x	x	x	x	x	x
Modem Emulation	x	x	x	x	x	x	x
DIN Rail	X [OPTIONAL]	X [OPTIONAL]	X [OPTIONAL]	X [OPTIONAL]	X [OPTIONAL]	X [OPTIONAL]	X [OPTIONAL]
9-30VDC	x	x	x	x	x	x	x
COM/TTY Driver	Realport With Encryption	Realport With Encryption	Realport With Encryption	Realport With Encryption	Realport With Encryption	Realport With Encryption	Realport With Encryption
Special Features			Extended Temp [-35°C TO 74°C]; Conformal Coated Circuit Board; NEMA TS 2	CLASS1, DIV 2; Extended Temp [-35°C TO 74°C]; Conformal Coated Circuit Board	Internal Modem	Powered Serial & Ethernet	IPv4/IPv6 capable

Multi-Electrical Interface

Serial & Wireless Connectivity

Serial Server

Serial-to-Ethernet

Digi serial server technology combines the inherent benefits of data networking with proven asynchronous connectivity. It transforms a previously isolated device with a serial port into a fully network-enabled component, and also migrates expensive dial-on-demand or “nailed up” phone line solutions to work over local or wide area networks.

The benefits are clear: immediate access to information, improved flexibility and a significant reduction of operating costs.



Model Name	Anewtech Digi One SP	Anewtech Digi Connect SP	Anewtech Digi Connect WI-SP	Anewtech Digi Connect N2S-170	Anewtech Digi One IAP	Anewtech Digi One IAP HAZ
Serial Ports	1	1	1/2	N/A	1	1
Serial Connector	DB-9	DB-9	DB-9	N/A	DB-9 & Screw Terminals	DB-9 & Screw Terminals
Serial Type	RS-232/422/485	RS-232 or RS-232/422/485	RS-232/422/485	N/A	RS-232/422/485	RS-232/422/485
10/100BASE-T	x	x	x	x	x	x
BAUD	230KBPS	230KBPS	230KBPS	N/A	230KBPS	230KBPS
DHCP,RARP,STATIC IP,ARP-PING	x	x	x	x	x	x
TCP/UDP	x	x	x	x	x	x
MODBUS/TCP					x	x
TELNET/REVERSE TELNET	x	x	x	x	x	x
HTTP	x	x	x	x	x	x
HTTPS		x	x	x		
SSHV2 Server, SSL/ TLS		x	x			
SNMP		x	x	x		
Port Buffering		x	x			
Modem Emulation		x	x	x	x	x
DIN Rail					x	x
9-30VDC	x	x	x		x	x
COM/TTY Driver	Realport	Realport	Realport With Encryption	Realport	Realport	Realport
Special Features		IPV6 READY; Customization Options	802.11B Wireless; WPA2/802.11i Wireless Security	Ethernet Network Controller; Designed For ModelL 170 Traffic Signal Controller Equipment	CLASS 1 DIV 2	CLASS1, DIV 2; Extended Temp[-35°C TO 74°C]; Conformal Coated Circuit Board

- 1 Industrial Computer
- 2 Compact PCI
- 3 Embedded Computer
- 4 Panel PC/ LCD Monitor
- 5 Human Machine Interface
- 6 Digital Advertising
- 7 Serial & Wireless Connectivity
- 8 Digital Video Surveillance
- 9 Network Security Appliance
- 10 Data Acquisition & Control
- 11 Industrial RFID
- 12 Industrial Ethernet Switch
- 13 Medical PC
- 14 Power Supply
- 15 Accessories

Serial & Wireless Connectivity

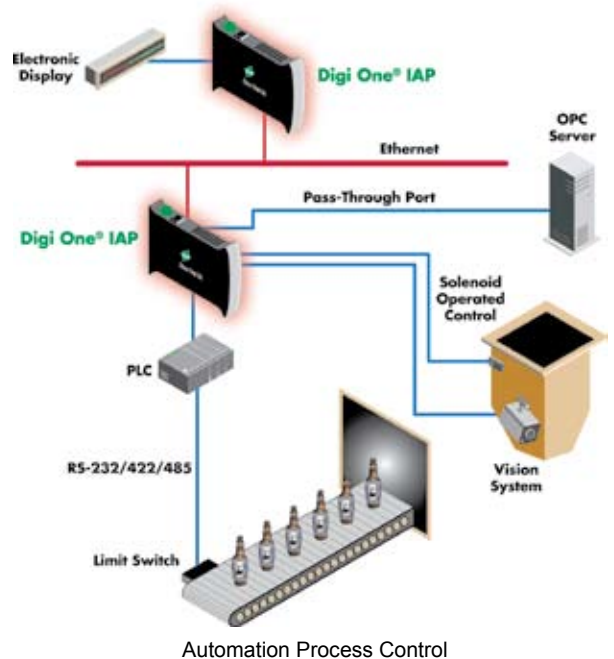
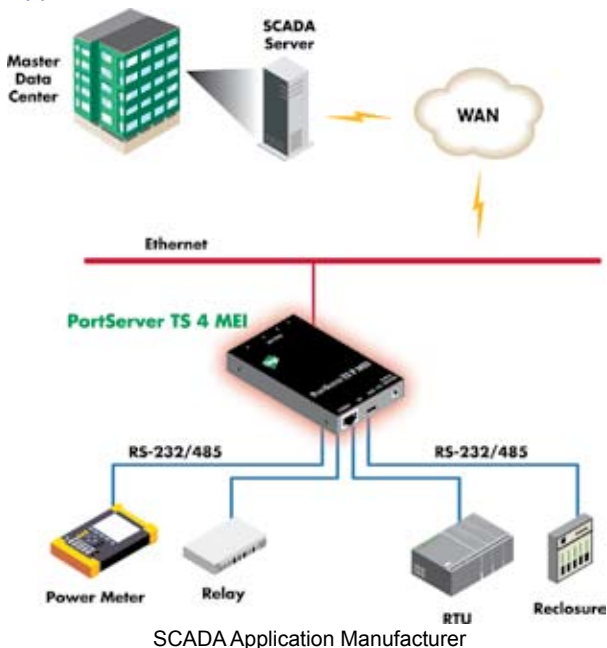
Serial Server

Serial-to-Ethernet



Model Name	Industrial		8 or More Ports	
	Anewtech Digi One IA	Anewtech Digi One SP IA	Anewtech Portserver TS 8/16 Family	Anewtech Etherlite
Serial Ports	1	1	8/16	2/8/16/32
Serial Connector	DB-9 & SCREW TERMINALS	DB-9	RJ-45	RJ-46
Serial Type	RS-232/422/486	RS-232/422/487	RS-232/422/488	RS-232/422/489
10/100BASE-T	x	x	x	x
BAUD	230KBPS	230KBPS	230KBPS	115KBPS
DHCP,RARP,STATIC IP,ARP-PING	x	x	x	[Static IPor bootp only]
TCP/UDP	x	x	x	
MODBUS/TCP	x	x		
TELNET/ REVERSE TELNET	x	x	x	
HTTP	x	x	x	
HTTPS	x		x	
SSHV2 Server, SSL/TLS	x		x	
SNMP	x		x	
Port Buffering				
Modem Emulation	x	x		
DIN Rail	x	x (via kit)		
9-30VDC	x	x		
COM/TTY Driver	Realport With Encryption	Realport	Realport With Encryption	Realport With Encryption
Special Features	Pass-Through PORT; IND Protocol BRIDGING; CLASS 2 DIV 2	DIN RAIL; Wall Mount Kit	48VDC Models	

Application



Serial & Wireless Connectivity

Embedded Module

Digi's embedded products enable intelligence and connectivity in a broad range of industries, including industrial automation, building automation and security, medical, retail/ POS, office automation, and others. They deliver fast and easy integration and uncompromising performance. Regular hardware and software updates also ensure a future-proof design in the customer's end product.

Digi wired and wireless modules provide a seamless migration path to a fully integrated System-on-Chip solution. Digi plug-and-play firmware, NET+OS®, Digi Embedded Linux®, Microsoft® Windows® Embedded CE 6.0, and Microsoft .NET Micro Framework support and royalty-free Digi development tools are available.

ARM-Based Networking Module



Model Name	Anewtech ConnectCore 9P 9360	Anewtech ConnectCore 9P 9750	Anewtech ConnectCore 9M	Anewtech ConnectCore XP
Processor Type	Digi NS9360	Digi NS9750	Samsung S3C2440	Marvell PXA270
ARM Core	ARM926EJ-S	ARM926EJ-S	ARM920T	XScale
Processor Speed	177 MHz	200 MHz	300/400 MHz	520 MHz
Memory Base Population	32 MB Flash 32 MB RAM	32 MB Flash 16 MB RAM	32 MB Flash 32 MB RAM	32 MB Flash 64 MB RAM
Additional Population Options	Up to 128 MB Flash Up to 128 MB SDRAM	Up to 128 MB Flash Up to 256 MB SDRAM	Up to 2 GB Flash Up to 512 MB RAM	None 128 MB RAM
Power REQ @ 3.3V[TYP/MAX]	400 mA	600 mA	26/280 mA	190/350 mA
Power OVER ETHERNET[POE]	Capable	Capable	Capable	Capable
Standard Operation Temp	0° C to 70° C	0° C to 70° C	-25° C to 70° C	-25° C to 70° C
PINS/FORM Factor	120-pin HD (2)	120-pin HD (2)	120-pin HD (2)	120-pin HD (2)
10/100 Ethernet Support	MAC/PHY	MAC/PHY	10 Mbit MAC/PHY	MAC/PHY
UART	Up to 4	Up to 4	Up to 3	Up to 3
GPIO	Up to 55	Up to 50	Up to 75	Up to 75
SPI	x	x	x	x
I ² C	x	x	x	x
USB Host/Device (2.0 Full Speed)	x	x	x	USB OTG
Integrated USB Connectors				
LCD Controller	x	x	x	x
Touch Controller	†	°	x	x
I2S/AC97 Audio		°	x	x
Special Features	• Extended temperature model available	• PCI bus support	• SD/SDIO	• SD/SDIO • PCMCIA/ Compact Flash • Memory stick/ MMC

Legend: ° Dev Board Feature

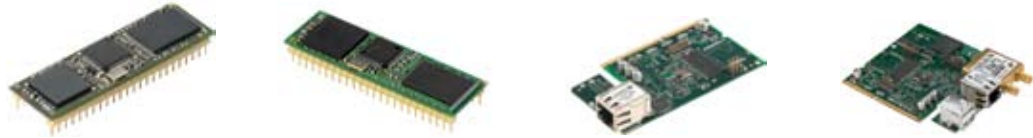
† Application Kit Feature

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- 5 Human Machine Interface
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Serial & Wireless Connectivity

Embedded Module

ARM-Based Networking Module



Model Name	Anewtech ConnectCore 7U	Anewtech ConnectCore 9U	Anewtech ConnectCore 9C	Anewtech ConnectCore Wi-9C
Processor Type	Digi NS7520	Atmel AT91RM200	Digi NS9360	Digi NS9360
ARM Core	ARM7TDMI	ARM920T	ARM926EJ-S	ARM926EJ-S
Processor Speed	55 MHz	160 MHz	155 MHz	155 MHz
Memory Base Population	2 MB Flash 16 MB SDRAM	16 MB Flash 32 MB SDRAM	4 MB Flash 16 MB SDRAM	4 MB Flash 16 MB SDRAM
Additional Population Options	8 MB Flash None	None None	Up tp 256 MB Flash Up tp 128 MB RAM	Up tp 256 MB Flash Up tp 128 MB RAM
Power REQ @ 3.3V[TYP/MAX]	280 mA	152 mA	450 mA	800 mA max
POE	Capable	Capable	End- and mid-span	End- and mid-span
Standard Operation Temp	0° C to 70° C	0° C to 70° C	-40° C to 85° C	-30° C to 75° C
PINS/FORM Factor	48-pin DIL	48-pin DIL	144-pin SO-DIMM	144-pin SO-DIMM
10/100 Ethernet Support	MAC/PHY	MAC/PHY	RJ-45 included	RJ-45 included
802.11b/g				x
UART	Up to 2	Up to 2	Up to 4	Up to 4
GPIO	Up to 16	Up to 16	Up to 55	Up to 55
SPI	x	x	x	x
I ² C	x	x	x	x
USB Host/Device (2.0 Full Speed)		x	x	x
Integrated USB Connectors			2 Host	2 Host
LCD Controller			x	x
Special Features	• Industrial temperature rated module available			• SD/SDIO



Model Name	Anewtech DIGI Connect ME	Anewtech DIGI Connect EM	Anewtech DIGI Connect WI-ME	Anewtech DIGI Connect WI-EM
Processor Type	DIGI NS 7520	DIGI NS 7521	DIGI NS 7522	DIGI NS 7523
ARM Core	ARM 7TDMI	ARM 7TDMI	ARM 7TDMI	ARM 7TDMI
Processor Speed	55 MHz	55 MHz	55 MHz	55 MHz
Memory Base Population	2 MB FLASH 8MB SDRAM	4 MB FLASH 8MB SDRAM	4 MB FLASH 8MB SDRAM	4 MB FLASH 8MB SDRAM
Additional Population Options	4 MB FLASH	-	-	-
Power REQ @ 3.3V[TYP/MAX]	250 mA typ	270 mA MAX	400 mA MAX	400 mA MAX
POE	Mid-Span			
Standard Operation Temp	40°C TO 85°C	40°C TO 85°C	30°C TO 75°C	30°C TO 75°C
PINS/FORM Factor	20 PIN Connector	12 PIN Connector	20 PIN Connector	12 PIN Connector
10/100 Ethernet Support	RJ-45 Included	RJ-45 Included		
802.11B			x	x
UART	1	2	1	2
GPIO	UP TO 5	UP TO 9	UP TO 5	UP TO 9
SPI		x		x

Serial & Wireless Connectivity

Embedded Module

OEM RF Module



Model Name	Anewtech Xbee ZigBee (2.4 GHz) OEM RF Module	Anewtech Xbee-PRO ZigBee(2.4 GHz) OEM RF Module	Anewtech XTend (900 MHz) OEM RF Module	Anewtech 9XStream (900 MHz) OEM RF Module	Anewtech 24XStream (2.4 GHz) OEM RF Module			
Transmit Power Outage	1 mW (0 dBm)	60 mW (18 dBm), 100 mW (20 dBm) EIRP	1 Watt (30 dBm)	100 mW (20 dBm)	50 mW (17 dBm)			
Indoor/ Urban Range	up to 100 ft (30 m)	up to 300 ft (100 m)	up to 3000 ft (900 m)	up to 1500 ft (450 m)	up to 600 ft (180 m)			
Outdoor RF Lineof-Sight Range	up to 300 ft (100 m)	up to 1 mi (1.6 km)	up to 14 miles (22 km)	up to 7 mi (11 km)	up to 3 mi (5 km)			
Outdoor RF Lineof-Sight Range (with high gain antenna)			up to 40 mi (64 km) @ 9600 bps RF data rate	up to 20 mi (32 km)	up to 10 mi (16 km)			
Serial Interface Data Rate (Software Selectable)	1200-115200 bps (non-standard baud rates also supported)		1200-230400 bps (non-standard baud rates also supported)		1200-57600 bps (non-standard baud rates also supported)			
Throughput Data Rate	80000 bps		9600 bps	115200 bps	9600 bps	19200 bps		
RF Data Rate	250000 bps		10000 bps	125000 bps	10000 bps	20000 bps		
Receiver Sensitivity	-92 dBm (1% packet error rate)	-100 dBm (1% packet error rate)	-110 dBm	-100 dBm	-110 dBm	-107 dBm	-105 dBm	-102 dBm
Serial Data Interface	3V CMOS UART interface		3V - 5V CMOS UART interface		5V CMOS UART interface			
Frequency Range	2.405 - 2.480 GHz		905 - 925 MHz		910 - 917 MHz		2.45 - 2.46 GHz	
Channels (Software Selectable)	16 direct sequence channels	12 direct sequence channels	10 hop sequences share 50 frequencies		7 hop sequences share 25 frequencies			
Spread Spectrum Type	DSSS (Direct Sequence Spread Spectrum)		FHSS (Frequency Hopping Spread Spectrum)					
Encryption	AES 128-bit		AES 256-bit		N/A			
Supported Network Types	Point-to-point, point-to-multipoint, peer-to-peer & Mesh		Point-to-point, point-to-multipoint, peer-to-peer & repeater (XTend & XStream only)					
Supply Voltage	2.80 - 3.40 VDC regulated		2.80 - 5.50 VDC regulated		4.75 - 5.25 VDC regulated			
Operating Current (Transmit)	45 mA (@ 3.3V)	215 mA (@ 3.3VDC)	90 mA (3.3V, 1 mW), 110 mA (5V, 1 mW), 730 mA (5 V, 1W)		1.150 mA (@ 5V)			
Operating Current (Receive/Idle)	50 mA (@ 3.3V)	55 mA (@ 3.3V)	80 mA (@ 5V)		50 mA (@ 5V)			
Cyclic Sleep Current (when Sleeping)	< 50 µA (@ 3.0 V)		< 1.6 mA		< 76 µA (@ 5.0 V)			
Pin Sleep Current	< 10 µA (@ 3.0 V)		<147 uA, <10 uA (Shutdown pin)		< 26 µA (@ 5.0 V)			
Antenna Connector Options	U.FL connector, chip antenna or integrated whip antenna		RPSMA or MMCX		RPSMA, MMCX or integrated whip antenna			
Operation Temperature	Industrial (-40° to 85° C)		Industrial or tested industrial (-40° to 85° C)		Commercial (0° to 70° C), industrial or tested industrial (-40° to 85° C)			
Agency & Industry Approvals	FCC, IC, ETSI, CID2, RoHS	FCC, IC, ETSI, CID2, RoHS	FCC, IC, CID2, RoHS		FCC, IC, CID2, RoHS		FCC, IC, ETSI, CID2, RoHS	

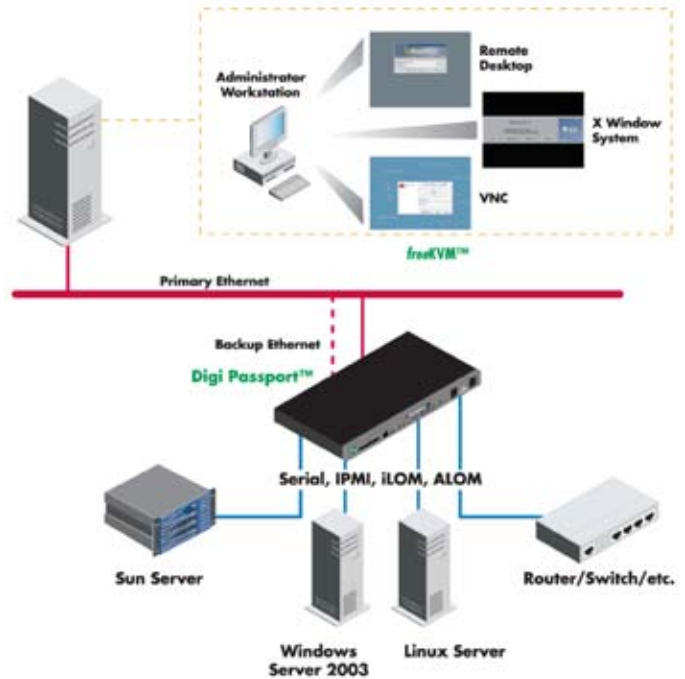
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Serial & Wireless Connectivity

Console Server Intelligent Console Management

Managing all of the server and network equipment in a modern data center is a demanding task. Maintaining reliability, connectivity and security across multiple platforms and multiple networks requires an integrated and flexible approach that provides reliable access to all of your equipment regardless of whether it is local or remote.

Console Management provides immediate access in critical situations, removing unnecessary travel cost and delay to reach equipment at remote locations, allowing administrators to quickly restore functionality and resume normal operations.



Update Financial Data Center Infrastructure



Model Name	Anewtech Digi Passport	Anewtech Digi CM
Serial Console Ports	4,8,16,32 or 48	16,32 or 48
Serial Type	RS-232	RS-232
Serial Connector	Rj-45	Rj-45
Ethernet Ports	2	1
10/100 Mbps	x	x
USB Ports	1	-
PC card slot	x [except 4-port]	x
100/240 VAC	x	x
48VDC option	x	x
Dual AC version	x [except 4-port]	48-port only
Internal Modem Option	x	-
1 U Rack-mountable	x [except 4-port]	x
freeKVM	x	x
PPP	x	-
IPv6	x	-
IPMI	x	-
Perl Language	x	-
SSHv2	x	x
Radius	x	x
SSL	x	x
Sun Break Safe	x	x
IP Filtering	x	x
Secure Clustering	x	x
HTTPS	x	x
Port Alert Email	x	x
SNMP	x	-
Access per port	x	x

Model Name	Anewtech Digi RPM
Power Outlets	08 / 10
120VAC Models	x
240VAC Models	x
Serial Ports	2
Serial Type	RS-232
Serial Connector	RJ-45
Rack Mount	OU & 1U
Amps	16
Terminal Server Integration	x
Integrated Web UI	x
Daisy Chaining	up to 10 units
Port Name Assignment	x
Integrated Temp Sensor	x
Temp/Load Email & SNMP Alerts	x
Power Sensor	x
Adjustable alarm LED for high current alert	x
Front Panel LCD [voltage, current, power]	x

Serial & Wireless Connectivity

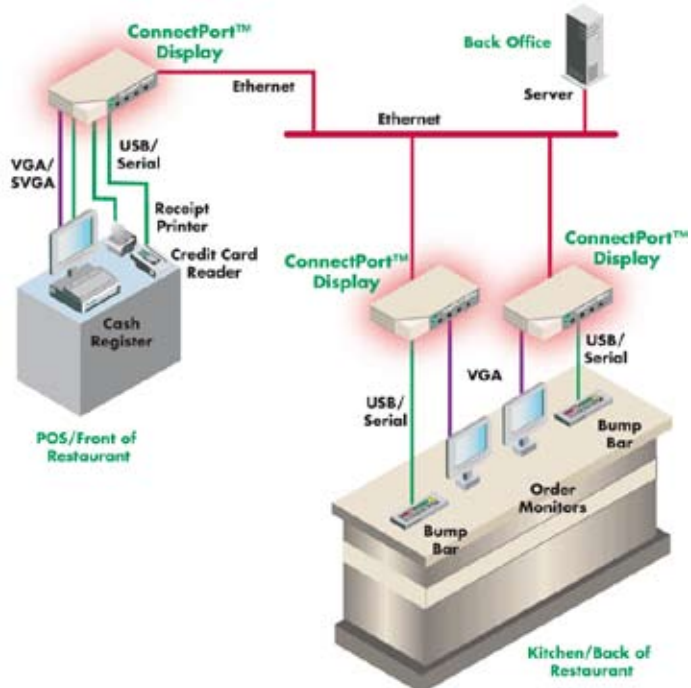
Remote Display Connectivity

PC Alternative for Remote Client

Anewtech offers the industry's first zero-client remote networking solution. ConnectPort™ Display connects display, serial and USB devices over IP to transform traditional PC architectures, allowing the interactive experience to be placed anywhere there is a network connection. A dedicated PC is not required at the same location and no application software changes are required.



Model Name	Anewtech ConnectPort Display
10/100Base-T	x
Ethernet Port	1
Analog VGA 15-Pin D mSub Display Connector	1
USB Ports	2 [Type A]
Serial Ports	2
Serial Type	RS-232
Serial Connectors	DB-9, RJ-45
RealPort	x
Terminal Emulation	x
Special Features	<ul style="list-style-type: none"> Compatible with RealVNC, UltraVNC and other open source VNC server applications Compatible with Microsoft Virtual server, Vmware and other server virtualization applications



Replace POS Terminals with Zero-Clients

Anywhere USB



Platform	AnywhereUSB®/2	AnywhereUSB®/5	AnywhereUSB® TS
10/100Base-T Ethernet		1 RJ-45	
USB	2	5	4
Serial	-	-	4 RS-232 RJ-45
IP Address	1 static (fixed) address per unit		
LEDs	System and Device status		
Power Supply	Ships with 120/230VAC 60/50 Hz at 5VDC @ 3 Amps max		
Other Shared Features	Remote configuration utility; Multiple units supported per server; Field-upgradable software and firmware; Patented RealPort (serial over IP) and RealPort USB (USB over IP); RJ-45 crossover cable		
Serial Data Rates	-	-	Up to 230 Kbps per port
USB Downstream Power	500 mA per USB device		
USB Compatibility	USB 1.0, 1.1, 2.0 (USB 2.0 devices operate at 1.1 speed)		
Operating Systems	Windows® Vista, Windows Server® 2008, Windows XP, Windows Server 2003, Windows XP Embedded		
Dimensions (L x W x H)	6.04 cm x 10.0 cm x 2.54 cm	11.05 cm x 18.29 cm x 2.61 cm	
Weight	5.0 oz (141.8 g)	10.0 oz (283.5 g)	
Operating Temperature	32° F to 140° F (0° C to 60° C)		
Relative Humidity	0% to 95% (non-condensing)		
Network Type	100 Mb switched Ethernet per AnywhereUSB		
USB Device Types	Compatible with bulk or interrupt type USB devices; Isochronous devices not supported		
Safety	UL 1950/CSA 2.2 No. 950, EN60950, IEC-950		
Emissions/Immunity	CE, FCC Part 15 (Class B), EN55022, EN55024		

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USB Connectivity

Converters, Hubs, Modem Banks and more

Anewtech offers simple-to-install, high performance solutions for attaching serial, parallel, USB and modem devices to PCs, thin clients and servers via USB port expansion.

Model Name	Anewtech Edgeport/1	Anewtech Edgeport/2	Anewtech Edgeport/4	Anewtech Edgeport/4/DB-25	Anewtech Edgeport/8	Anewtech Edgeport/8/DB-25	Anewtech Edgeport/8r	Anewtech Edgeport /416	Anewtech Edgeport /416/DB-25	Anewtech Edgeport /2c
Serial Ports	1	2	4	4	8	8	8	16	16	2
Serial Type	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232	RS-232
Serial Connector	DB-9M	DB-9M	DB-9M	DB-25M	DB-9M	DB-25M	RJ-45	DB-9M	DB-25M	DB-9M
Downstream USB Ports	-	-	-	-	-	-	-	4	4	-
Parallel Ports	-	-	-	-	-	-	-	-	-	-
Comments	2m captive cable version & bulk packs available	-	-	-	-	1 U Rack-mountable	-	1 U Rack-mountable	1 U Rack-mountable	2m captive cable; Compact form factor

Model Name	Anewtech Edgeport /22c	Anewtech Edgeport/1i	Anewtech Edgeport/2i	Anewtech Edgeport/4s MEI	Anewtech Edgeport/8s MEI	Anewtech Edgeport/2m	Anewtech Edgeport/4m	Anewtech Edgeport/21	Anewtech Edgeport /421
Serial Ports	2	1	2	4	8	2	4	2	2
Serial Type	RS-232	RS-422/485	RS-422/485	RS-232- /422/485	RS-232- /422/485	RS-232	RS-232	RS-232	RS-232
Serial Connector	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M	DB-9M
Downstream USB Ports	2				2				4
Parallel Ports								1	1
Comments	2m captive cable; Compact form factor			Software selectable serial type	Software selectable serial type	Rugged aluminum chassis; Detachable mounting brackets	Rugged aluminum chassis; Detachable mounting brackets		

Model Name	Anewtech Hubport/PCI+	Anewtech Hubport/PCI+ LP	Anewtech Hubport/4+	Anewtech Hubport/4c+	Anewtech Hubport/42+
Ports	4 USB PlusPower	1/3 USB PlusPower	4 USB PlusPower	4 USB PlusPower	4 USB PlusPower, 2 RS-232 serial DB-9M
Comments	<ul style="list-style-type: none"> 1 @ 24V 3 @12V Externally & internally powered models Full sized PCI 	<ul style="list-style-type: none"> 1 @ 24V [1-port version] 3 @12V[3-port version] Low profile PCI 	<ul style="list-style-type: none"> 1 @ 24V 3 @12V Externally powered 	<ul style="list-style-type: none"> 1 @ 24V 3 @12V Externally powered compact from factor 10.0"[25cm] captive cable 	<ul style="list-style-type: none"> 1 @ 24V 3 @12V Externally powered

Model Name	Anewtech Hubport/4c	Anewtech Hubport/7c	Anewtech Hubport/4cM DC	Anewtech Hubport/4	Anewtech Hubport/7	Anewtech Anywhere USB/5	Anewtech Rapidport/4
Ports	4 downstream USB, 1 upstream USB	7 downstream USB, 1 upstream USB	Compact metal chassis, 4 downstream USB, 1 upstream USB	4 downstream USB, 1 upstream USB	7 downstream USB, 1 upstream USB	5 USB ; 10/100Base-T Ethernet	4 V.92 modems, RJ-11; 1 downstream USB
Comments	<ul style="list-style-type: none"> Compact chassis 10-26VDC powered 5V[w/AC adapter]models USB 2.0 Locking power connector 	<ul style="list-style-type: none"> Compact chassis 10-26VDC powered 5V[w/AC adapter]models USB 2.0 Locking power connector 	<ul style="list-style-type: none"> Compact chassis 10-26VDC powered 5V[w/AC adapter]models USB 2.0 Locking power connector-ruggedized metal Mounting brackets 	<ul style="list-style-type: none"> Compact chassis 5V[w/AC adapter]models 10-26VDC powered models USB 1.1 	<ul style="list-style-type: none"> Locking power connector 5V[w/AC adapter]models 10-26VDC powered models USB 1.1 	<ul style="list-style-type: none"> Connects to LAN via RJ-45 Ethernet 	<ul style="list-style-type: none"> on-Board USB hub Dual unit packaging available

Serial & Wireless Connectivity

USB Connectivity

Converters, Hubs, Modem Banks and more

Anewtech Edgeport/1 	Anewtech Edgeport/2 	Anewtech Edgeport/4 	Anewtech Edgeport/4/DB-25 
Anewtech Edgeport/8 	Anewtech Edgeport/8/DB-25 	Anewtech Edgeport/8r 	Anewtech Edgeport/416 
Anewtech Edgeport/416/DB-25 	Anewtech Edgeport/2c 	Anewtech Edgeport/22c 	Anewtech Edgeport/1i 
Anewtech Edgeport/2i 	Anewtech Edgeport/4s MEI 	Anewtech Edgeport/2m 	Anewtech Edgeport/4m 
Anewtech Edgeport/21 	Anewtech Edgeport/421 	Anewtech Hubport/PCI+ 	Anewtech Hubport/PCI+LP 
Anewtech Hubport/4+ 	Anewtech Hubport/4c+ 	Anewtech Edgeport/42+ 	Anewtech Hubport/4 
Anewtech Hubport/ 7 	Anewtech Rapidport/4 	Anewtech Hubport/4c, 7c 	Anewtech Hubport/4cM DC 





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Serial & Wireless Connectivity

Wireless Solution

Cellular, Wi-Fi, Proprietary RF

Wireless Cellular

Anewtech Digi TransPort® WR44		<ul style="list-style-type: none"> • High speed cellular interfaces: GSM GPRS/EDGE/HSPA/CDMA EV-DO • Optional integrated 802.11 b/g Wi-Fi access point and 4-port Ethernet switch • Flexible interfaces including serial, GPS, USB and telemetry • Powerful integrated end user programming • Component of PCI DSS compliant solution • Digi Remote Manager software for easy setup, configuration and maintenance
Anewtech Digi TransPort® WR/ SR/DR		<ul style="list-style-type: none"> • Flexible enterprise class cellular routers with advanced dynamic routing, security and firewall • Branch-in-a-box focus with optional DSL to cellular failover • Synchronous protocol support for legacy POS/financial devices • Component of PCI DSS compliant solution
Anewtech Digi Wi-Point 3G®		<ul style="list-style-type: none"> • Commercial grade cellular to Wi-Fi hotspot with integrated VPN • Supports cellular PC data cards around the world • Easy to deploy for instant wireless connectivity • Small form factor can be installed anywhere • High-end security includes IPsec VPN, WPA and full-featured firewall
Anewtech Digi Transport-VC 7400		<ul style="list-style-type: none"> • Reliable, high capacity (up to 3000 tunnels) VPN • Easily configurable with any Digi VPN cellular router • Configurable LCD screen shows status and performance statistics • Approved for use in PCI networks for connection to remote POS devices



Model Name	Anewtech Digi Connect WAN	Anewtech Digi Connect WAN VPN	Anewtech Digi Connect WAN IA	Anewtech Digi Connect WAN Sync	Anewtech Connectport WAN VPN
Type of Device	Cellular Router	Cellular VPN Router	Industrial Cellular Router	Cellular VPN Router	Upgradeable 3G Cellular Router
10/100Base-T	x	x	x	x	4 switch ports
Serial Ports	1	1	1	1	2
USB Ports	-	-	-	-	2
Serial Type	RS-232/422/485	RS-232/422/485	RS-232/422/485	Synchronous	RS-232
Serial Connector	DB-9	DB-9	DB-9	DB-9	DB-9
Air Interface	Embedded Radio	Embedded Radio	Embedded Radio	Embedded Radio	Upgradeable PCI Express module/ PCMCIA card
GSM, GPRS/ EDGE/ CDMA 1xRTT	x	x	x	x	x
UMTS/HSDPA/EV-DO RevA	-	-	-	-	x
NAT, Port Forwarding, DHCP Client/ Server, IP Pass-Through, VPN Pass-through, Firewall-IP Filtering	x	x	x	x	x
Integrated IPsec VPN	-	x	x	x	x
SSL, SSHv2, FIPS197, HTTPS	x	x	x	x	x
COM/TTY DRIVER	RealPort	RealPort	RealPort	RealPort	RealPort
DIN Rail Mountable	x	x	x [kit included]	x	x
Built-in Web interface, Digi Connectware Manager, Digi Surelink	x	x	x	x	x
Special Features			<ul style="list-style-type: none"> • Terminal block for power • Modbus support • Class1 , Div2 	<ul style="list-style-type: none"> • Bisync protocol with 3270/3275 emulation 	<ul style="list-style-type: none"> • Support for internal cellular interfaces/ external PC cards • Integrated 4-port switch • External antenna connections • Support watchport USB camera

Serial & Wireless Connectivity

Wireless Solution

External 802.11b

Embedded 802.11b and 802.11b/g

Model Name	Anewtech PortServer TS W MEI	Anewtech Digi Connect Wi-SP	Anewtech Digi Connect Wi-ME	Anewtech Digi Connect Wi-EM
10/100Base-T	x			
802.11b	x	x	x	x
802.11b/g				
WPA2/802.11i		x	x	x
Bluetooth				
Serial Ports	1/2/4	1/2	1	2
Serial Type	RS-232/422/485	RS-232/422/485	TTL	TTL
Serial Connector	RJ-45	DB-9	TTL	TTL
Max. Data Rate	115 KBPS	230 KBPS	230 KBPS	230 KBPS
HTTP	x	x	x	x
HTTPS	x	x	x	x
SSL/TLS Encryption [DES/3DES/AES]	x	x	x	x
Other Encryption	x	x	x	x
COM/TTY DRIVER	RealPort with Encryption	RealPort with Encryption	RealPort with Encryption	RealPort with Encryption
Special Features		Integration & Development Kits available	Integration & Development Kits available	Integration & Development Kits available

External Proprietary RF Modems



Model Name	Anewtech XTEND [900MHZ]		Anewtech XSTREAM-PKG [900MHZ]		Anewtech XSTREAM-PKG [2.4GHZ]		Anewtech Xpress Ethernet Bridge
Available Interfaces	RS-232/422/485, USB		RS-232/422/485, USB		RS-232/422/485, USB		Ethernet 10BaseT
Transmit Power Outage	1W [30dBm]		100mW [20dBm]		50mW [17dBm]		125mW [21dBm]
Indoor/Urban Range	UP TO 3000 ft [900 m]		UP TO 1500 ft [450 m]		UP TO 600 ft [180 m]		UP TO 1000 ft [300 m]
Outdoor RF LINE-OF-SIGHT Range	UP TO 14 miles [22 km]		UP TO 7 mi [11 km]		UP TO 3 miles [5 km]		UP TO 2mi [3.2 km]
Outdoor RF LINE-OF-SIGHT Range [W/High GAI Antenna]	UP TO 40 mi [64 km] @ 9600 bps RF DATA RATE		UP TO 20 mi [32 km]		UP TO 10 mi [16 km]		UP TO 15 mi [24 km]
Serial Interface Data Rate [Software Selectable]	1.2-230.4kbps [non-standard baud rates also supported]		1.2-57.6kbps [non-standard baud rates also supported]		1.2-57.6kbps [non-standard baud rates also supported]		N/A
Throughput Data Rate	9.6kbps	115.2kbps	9.6kbps	19.2kbps	9.6kbps	19.2kbps	850kbps
RF Data Rate	10kbps	125kbps	10kbps	20kbps	10kbps	20kbps	1.5Mbps
Receiver Sensivity	110dBm	100dBm	110dBm	-107dBm	-105dBm	-102dBm	-97dBm
Frequency Range	905 - 925MHz		910 - 917MHz		2.45 - 2.46GHz		903 - 925MHz
Channels [Software Selectable]	10 HOP Sequence Share 50 Frequencies		7 HOP Sequence Share 25 Frequencies		7 HOP Sequence Share 25 Frequencies		12 Direct Sequence channels
Spread Spectrum Type	FHSS [Frequency hopping spread spectrum]		FHSS [Frequency hopping spread spectrum]		FHSS [Frequency hopping spread spectrum]		DSSS [Direct sequence spread spectrum]
Encryption	AES 256-bit		N/A		N/A		AES 128-bit
Supported Network Types	Point-to-Point, Point-to-multipoint, peer-to-peer & Repeater & mesh [XTend & XStream only]		Point-to-Point, Point-to-multipoint, peer-to-peer & Repeater & mesh [XTend & XStream only]		Point-to-Point, Point-to-multipoint, peer-to-peer & Repeater & mesh [XTend & XStream only]		Matched pair[point-to-point]
ANTENNA Connector Option	RPSMA [Female]		RPSMA [Female]		RPSMA [Female]		RPSNC [Female]
Operation Temp	Industrial [-40° C to 85 °C]		Industrial [-40° C to 85 °C]		Industrial [-40° C to 85 °C]		Industrial [-40° C to 85 °C]
Agency & Industry Approvals	FCC, IC,ETSI, CID2, RoHS		FCC, IC,ETSI, CID2, RoHS		FCC, IC, CID2, RoHS		FCC, IC, CID2, RoHS
Supply Voltage	7 - 28 VDC		PKG-R: 7 -18V, PKG-U: 5-12V, PKG-T: 7-28V		PKG-R: 7 -18V, PKG-U: 5-12V, PKG-T: 7-28V		4.5 to 9VDC
Transmit Current	90mA [@1W, 9600bps]		PKG-R: 70mA , PKG-U: 185mA, PKG-T: 220mA		PKG-R: 180mA, PKG-U: 200mA, PKG-T: 230mA		350mA
Receive Current	110mA		PKG-R: 70mA / PKG-U: 90mA / PKG-T: 140mA		PKG-R: 90mA / PKG-U: 115mA / PKG-T: 160mA		300mA
Low-power/ Sleep-power Current	20mA		PKG-R: 6mA, PKG-U: 50mA, PKG-T: N/A		PKG-R: 6mA, PKG-U: 50mA, PKG-T: N/A		N/A

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Serial & Wireless Connectivity

Gateways

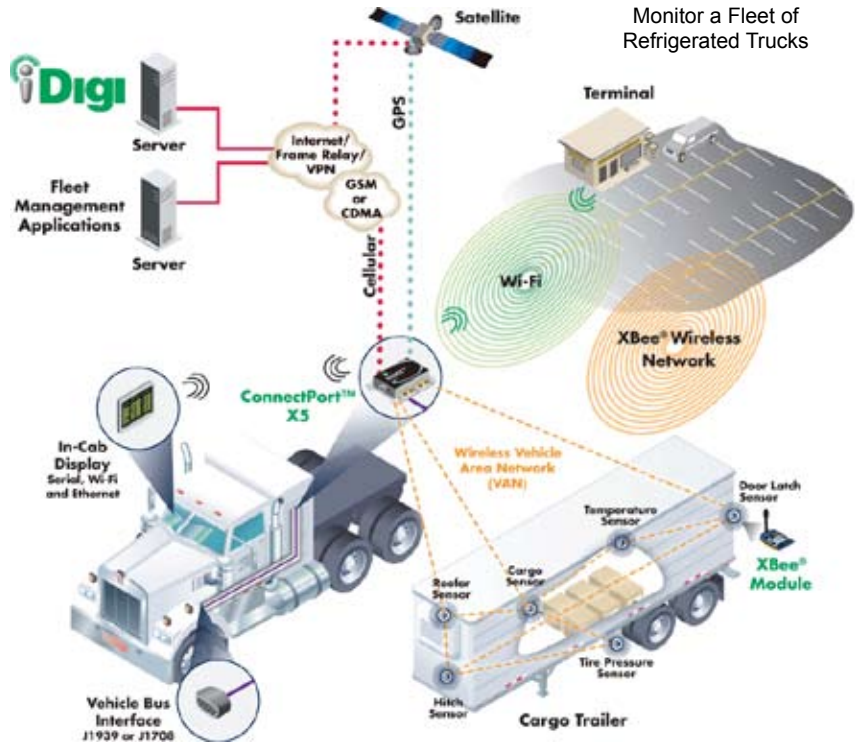
Anewtech ConnectPort™ X5 Rugged wireless PAN to IP gateways

Anewtech ConnectPort X5 family offers the industry's smallest Quint-Mode (cellular, satellite, GPS, Wi-Fi, Vehicle Area Network) wireless telematics product. These products provide remote connectivity to mobile assets to monitor operating health, performance, location and driver/operator behavior, as well as to enable automated event reporting.

Two models are available – the ConnectPort X5 and the ConnectPort X5 Fleet. Both products support Vehicle Area Networks (VANs) with Digi's industry leading XBee 802.15.4/ ZigBee or Point-to-Multipoint 2.4 GHz radio technology.



- Wireless telematics product supports cellular, satellite, GPS, Wi-Fi and VAN
- Factory sealed enclosure with IP67 and SAE1455 certifications
- J1939 CAN interface with J1708 serial connectivity support
- Two models available – the ConnectPort X5 and the ConnectPort X5 Fleet
- Global cellular coverage over GSM/GPRS or CDMA networks

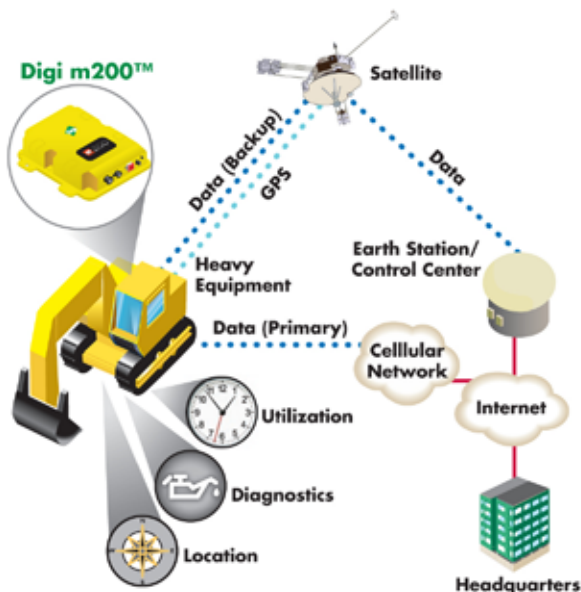


Satellite

Anewtech Digi m200™ Customizable telematics platform unit



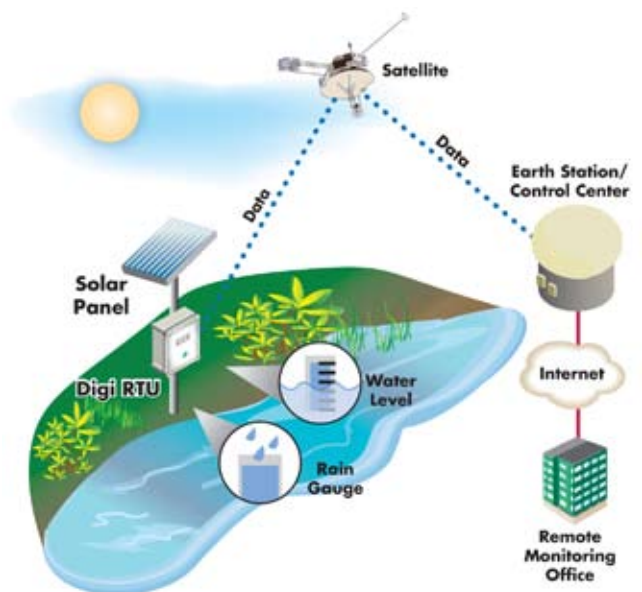
- Extremely rugged and sealed design
- Global LEO satellite coverage (no blockage)
- Quad-band GSM cellular connectivity
- Integrated 12-channel GPS receiver
- Low transmit and receive power



Anewtech Digi RTU Customizable remote telemetry unit platform



- Sealed outdoor enclosure with external display
- Global LEO satellite connectivity without signal blockage
- Protected power supply and application-specific sensor integration
- Built-in rechargeable 3-day backup battery with solar charger option
- Extended operating temperature



Serial & Wireless Connectivity

Drop-in Networking

Anewtech's Drop-in Networking solutions include ZigBee®/802.15.4 wireless mesh gateways, adapters, modules, extenders and environmental sensors, as well as our RF-based serial and Ethernet cable replacement products. These products can be used to connect or network-enable electronic devices and sensors where no wired networking infrastructure exists, where access to an existing network is prohibited, or when laying cable is impractical or cost prohibitive.



Model Name	Anewtech ConnectPort® X4 H	Anewtech Digi TransPort® WR/SR/DR	Anewtech XBee® & XBee-PRO® ZB ZigBee® PRO RF Modules
Description	Gateways	Endpoint Connectivity - Cellular	Endpoint Connectivity - Embedded
Features	<ul style="list-style-type: none"> • USB Type B Aggregate device network data for transport to a central application software platform • Configurable with ZigBee/802.15.4, cellular (CDMA & GSM), Wi-Fi and Ethernet connectivity • Native Python® engine offers programmability for specific application needs 	<ul style="list-style-type: none"> • High speed wireless routers • Primary and backup connectivity to remote sites and devices • GSM (GPRS EDGE HSDPA) and CDMA (1xRTT and EVDO Rev A) support 	<ul style="list-style-type: none"> • Embed networking capability in stand-alone end-point devices such as sensors, controllers and displays • Multiple operating frequencies and network topologies supported • Compatible with ConnectPort X family of IP gateways for LAN/WAN connectivity



Model Name	Anewtech XBee® & XBee-PRO® 802.15.4 Adapters	Anewtech XBee-PRO® ZB Wall Router	Anewtech Watchport® Sensors
Description	Endpoint Connectivity - External Adapters/Modems	Network Extenders	Sensors
Features	<ul style="list-style-type: none"> • Easy network connectivity for existing devices; multiple interface options available • Compatible with ConnectPort X family of IP gateways for LAN/WAN connectivity • Serial cable replacement using long-range RF technology 	<ul style="list-style-type: none"> • Create additional device network pathways or bridges between networks • Small plug-in router provides network extension • Stand-alone bridge links device networks using long-range RF transmission 	<ul style="list-style-type: none"> • Simple plug-and-play sensors for basic environmental monitoring • Temperature, temperature/humidity, moisture, distance, accelerometer • Each connect to Digi's XBee Sensor adapter for wireless functionality

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Serial & Wireless Connectivity

Serial Card

PCI/ PCI-X/ ISA Solution

Our multiport serial card product line, including the original DigiBoard®, is the number one selling serial card product line in the world. Digi's solutions offer the highest level of operating system support, serial port capacity, I/O performance, transmission distance, environmental tolerance and upgrade ability for all of your application needs.

As PC's and servers continue to become smaller, customers who utilize rack mount servers, for example, need smaller card solutions with increased port counts. This is causing demand to shift from ISA and high profile PCI to low profile PCI. We at Anewtech Systems understand this need, extending our product range to include low profile bracket options.



Model Name	Anewtech AccelePort Xp	Anewtech AccelePort Xr 232	Anewtech AccelePort Xr 422	Anewtech AccelePort C/X	Anewtech AccelePort Xem 422
Bus Type	PCI/PCI-X	PCI/PCI-X		PCI/PCI-X	PCI/PCI-X
Serial or Modem Type	2/4/8/16	2/4/8 4/8		8 TO 128	8 TO 64
Serial Type	RS-232	RS-232 RS-422		RS-232	RS-232 RS-422
Connector	RJ-45;DB-9;DB-25	RJ-45; DB-9; DB-25 DB-9; DB-25		RJ-45; DB-25	RJ-45; DB-25 DB-25
Baud	921.6KBPS	Up To 921.6 KBPS 230 KBPS		115.2KBPS	115.2 KBPS 115.2 KBPS
Surge/ESD	15KV	20KV		15KV	15KV
Low Profile Models	4/8	-		-	8 TO 64



Model Name	Anewtech Digi Neo	Anewtech ClassicBoard PCI	Anewtech ClassicBoard ISA	Anewtech AccelePort RAS
Bus Type	PCI/PCI-X	PCI [5V] ISA		32-BIT PCI [3.3V & 5V]
Serial or Modem Type	1/2/4/8	4/8 4/8		4/8 V.90 56K FLEX
Serial Type	RS-232	RS-232/ 422 RS-232		-
Connector	RJ-45; DB-9; DB-25	RJ-45;DB-9;DB-25 RJ-45;DB-9;DB-25		RJ-11
Baud	Exceeding 460.8 Kbps	Up To 460.8 KBPS 115.2KBPS		-
Surge/ESD	15KV	15KV		-
Low Profile Models	1/2/4/8	-		-