



**Perfect FTTH Applications**  
300Mbps 802.11n Wireless Internet Fiber Router

Video Phone

Online Gaming

IPTV (HD)



Broadband Routers		Wireless Broadband Routers	
Model	XRT-401F	FRT-405N	WNAP-1260
Product Image			
Ethernet	WAN Interface: 1x10/100TX LAN Interface: 4x10/100TX	1x100FX SFP 4x10/100TX	1x10/100TX (configurable)
VoIP	Interface: -	Interface: -	Interface: -
Wireless	MIMO System: -	802.11n 2T2R	2T2R
	Antenna: -	5-dB Omni	2dB
Wireless	Wireless Operating Mode: -	Router, Bridge, WISP	AP Router / Client / WDS PtP / WDS PtMP / Repeater / Universal Repeater
	Max. Data rate: -	300 Mbps	300Mbps
VPN	PPTP VPN tunnels: -	-	-
	IPsec VPN Tunnels: -	-	-
	VPN passthrough: IPSec, PPTP, L2TP	IPSec, PPTP, L2TP	•
	VPN Authentication: -	-	-
Performance	Maximum Concurrent Session: 4095	2048	-
	NAT Firewall: •	•	•
	SPI Firewall: •	•	•
	Content Filtering: URL Filtering	URL Filtering	•
	DMZ: •	•	•
	ACL (Access Control List): •	•	•
Security	MAC / IP / Port Filtering: MAC / IP / Port	MAC / IP / Port	•
	DoS / DDoS Prevention: •	•	•
	Interface: Web	Web	•
Management	DHCP: Server / Client	Server / Client	•
	DDNS: •	•	•
Router Feature	Internet types: Dynamic / Static IP / PPPoE / PPTP / Big Pond Cable / Dual Acces	Dynamic / Static IP / PPPoE / PPTP / L2TP	DHCP / Static IP / PPPoE / PPTP / L2TP
	Virtual Server: •	•	•
	UPnP: •	•	•
	Bandwidth Management (QoS): IP / Port based, DSCP	Port based, Rate Policy	-
Advanced Function	Routing: Static Routing, RIPv1,2	Static Routing	•
	Outbound Load Balancing: -	-	-
	Dual WAN: -	-	-
	VLAN: •	•	-

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Wireless Broadband Routers									
Model	WNRT-300	WNRT-300G	WNRT-617G	WNRT-617	WNRT-627	WNRT-633	WDR-731U	WDR-750AC	WDR-1200AC
Product Image									
Ethernet	WAN Interface: 1x10/100TX (configurable)	1x10/100TX (configurable)	1x10/100TX 4x1000T	1x100TX 4x100TX	1x100TX 4x100TX	1x1000T 4x1000T	1x1000T 4x1000T	1 x 100TX 4 X 100TX	1 X 1000T 4 X 1000T
	Standard: IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11b/g/n	IEEE 802.11a/b/g/n	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac
	Max. Data Rate: 150Mbps	150Mbps	150Mbps	150Mbps	300Mbps	300Mbps	300+300Mbps	750Mbps	1200Mbps
	MIMO System: 1T1R	1T1R	1T1R	1T1R	2T2R	2T2R	2T2R	2.4GHz: 2T2R 5GHz: 1T1R	2T2R
Wireless	Antenna: 2dB	2dB	5dB detachable 1 x RP-SMA	5dB Omni fixed	5dB Omni fixed	5dB Omni detachable	5dB Omni fixed	2.4GHz: 2 x 2.5dBi PCB Antenna 5GHz: 1 x 3.8dBi Internal Antenna	2.4GHz: 2 x 1.8dBi Internal Antenna 5GHz: 2 x 3.8dBi Internal Antenna
	Max. Range: Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m	Indoor: 100m Outdoor: 300m
	Max. TX Power: 18dBm	18dBm	18dBm	18dBm	18dBm	20dBm	17dBm	18dBm	18.5 dBm
Hardware	Mobile Network: -	UMTS/HSPA	UMTS/HSPA/EVDO	-	-	-	-	-	-
	USB: mini-USB for power/charging	USB for 3G dongle mini-USB for power/charging	USB for 3G dongle	-	-	-	File / Printer	-	USB for storage
Wireless Operating Mode	Access Point: •	•	•	•	•	•	•	•	•
	Client: •	•	-	•	•	•	-	•	-
	Bridge: •	•	•	•	•	•	•	-	•
	Repeater (WDS): •	•	•	•	•	•	•	-	•
	Universal Repeater (AP+Client): •	•	-	•	•	•	-	-	-
Wireless Security	WISP: •	•	-	•	•	•	-	-	-
	WEP: •	•	•	•	•	•	•	•	•
	WPA / WPA2-PSK: •	•	•	•	•	•	•	•	•
	WPA / WPA2: •	•	•	•	•	•	•	•	•
WAN Mode	802.1X: •	•	-	•	•	•	-	-	-
	WPS: •	•	•	•	•	•	•	•	•
	Dynamic IP: •	•	•	•	•	•	•	•	•
	Static IP: •	•	•	•	•	•	•	•	•
Advanced Features	PPPoE / PPTP / L2TP: • / • / •	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •	• / • / •
	Multiple SSIDs: • (Up to 4)	• (Up to 4)	-	-	-	• (Up to 4)	• (Up to 2)	• (Up to 2)	• (Up to 6)
	802.1Q VLAN: •	•	-	-	-	-	-	-	-
	AP Isolation: •	•	•	•	•	•	•	•	•
	WMM: •	•	•	•	•	•	•	•	•
	SPI Firewall: •	•	•	•	•	•	•	•	•
	DMZ: •	•	•	•	•	•	•	•	•
	VPN Passthrough: •	•	•	•	•	•	•	•	•
	SNMP: •	•	•	•	•	•	•	•	•
	IAPP (Roaming): •	•	•	•	•	•	•	•	•
Operating Temperature: 0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 40 °C	0 ~ 45 °C	
Power System: 5V DC, Built-in Battery	5V DC, Built-in Battery	12V DC	9V DC	9V DC	12V DC	12V DC	12V DC	12V DV	



TEL: 886-2-2219-9518 FAX: 886-2-2219-9528 E-mail: sales@planet.com.tw  
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# Broadband Communications

Scalability, Reliability, Flexibility



**ADSL 2+ IP DSLAM**

Model	IDL-2402	IDL-4802
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Product Image



Subscriber Interfaces	24-Port	48-Port
Uplink Interfaces	1 x 1000Base-T	2 x 1000Base-T or 2 x SFP
Management Interfaces	1 x RS-232 Console	1 x 100Base-TX, 1 x RS-232 Console
DSL & POTS Interfaces	2 x Telco-50	4 x Telco-50
CLI Management	Console, Telnet, SSH	Console, Telnet, SSH
Web Management	●	●
Hardware / IP Stackable	- / ●	● / ●
QoS Traffic Priority (802.1p)	●	●
IGMP V1 / V2 / V3	●	●
VLAN Bridge / Filtering	●	●
VPN Feature	●	●
MAC / IP Filtering	●	●
MAC / IP Access Control	●	●
Static / Port-based VLAN	●	●
802.1x Authentication	●	●

**ADSL 2+ Routers**

Model	ADE-3400	ADE-4400	ADN-4101
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Product Image



ADSL Feature	ADSL.ADSL2.ADSL2+	●	●	●
Ethernet	Interface	1-Port 10/100 Switch	4-Port 10/100 Switch	4-Port 10/100 Switch
Wireless	Wireless Standard	-	-	802.11b/g/n (1T1R)
	Wireless Antenna	-	-	1 x Antenna (fixed)
	WEP / WPA / WPA2 Encryption	-	-	●
	802.1X Authentication	-	-	●
	Multiple SSIDs	-	-	●
	WPS	-	-	●
VPN Passthrough	IPSec .PPTP.L2TP	●	●	●
	SPI (Stateful Packet Inspection)	●	●	●
Security	NAT	●	●	●
	Access Control List	●	●	●
	Virtual Server / DMZ	●	●	●
	Anti-DoS	●	●	●
	IP / MAC Filter	●	●	●
	Content Filter (URL, Web)	●	●	●
	IGMP Proxy	●	●	●
	DHCP Server	●	●	●
	Dynamic DNS (DDNS)	●	●	●
	PLANET DDNS	●	●	●
	SNTP Client	●	●	●
	UPnP	●	●	●
Network Feature	Telnet Access	●	●	●
	SNMP	●	●	●
	TR-069	●	●	●
	IPv6	●	●	-
	IP QoS	●	●	●
	Max. Sessions	4096	4096	2448
	Routing Protocol	Static Route, RIP (v1,v2)	Static Route, RIP (v1,v2)	Static Route, RIP (v1,v2), Default gateway, Policy route

**G.SHDSL / G.SHDSL.bis Bridges / Routers**

Model	GRT-101	GRT-402
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Product Image



xDSL Feature	xDSL Type	2-Wire G.SHDSL	4-Wire G.SHDSL
Interface	Standard	ITU-T G.991.2 Annex A/B/F/G	
	WAN Port	1 x RJ-45	1 x RJ-45
	LAN Port	1 x RJ-45 10/100Base-TX	4 x RJ-45 10/100Base-TX
	Console Port	1 x RS-232 (DB9)	1 x RS-232 (DB9)
Performance	Max. Speed	5.7Mbps	11.4Mbps
	ATM QoS	●	●
AAL, ATM Support	PVC Number	8PVCs	8PVCs
	NAT	●	●
Security	Virtual Server	●	●
	DMZ	●	●
Network Feature	VPN Passthrough	PPTP / L2TP / IPSec	PPTP / L2TP / IPSec
	Routing	RIPV1/2, Static Route	RIPV1/2, Static Route
	Transparent Bridging	●	●
	DNS	Relay and Caching	Relay and Caching
	SNMP	V1/2	V1/2
	IGMP Proxy	●	●
Management	Telnet Access	●	●
	Internet Connection Type	Ethernet over ATM, PPPoA, IPoA, PPPoE	
	DHCP	Server, Relay, Client	Server, Relay, Client
	VLAN	Port-based, IEEE 802.1Q	Port-based, IEEE 802.1Q
IP QoS	●	●	
Firmware Upgrade	Web, TFTP	Web, TFTP	
Interface	Web interface, Telnet, Serial Console		
Web Manager	●	●	
Planet DDNS	●	●	

**VDSL2 IP DSLAM / LRE Switches**

Model	XDL-2420R	VC-820M
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Product Image



Subscriber Interface	24-Port	8-Port
VDSL2 Interface	1 x Telco-50	8 x RJ-11
POTS Interface	1 x Telco-50	8 x RJ-11
10/100 / 1000T	2	2
1000SX / LX	2 (combo)	2 (Combo)
VDSL Standard	ITU-T G.993.2 VDSL2	ITU-T G.993.2 VDSL2
VDSL Profile	8a, 8b, 8c, 12a, 12b, 17a and 30a	8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a Supports 997 and 998 Band Plans Supports Annex A, Annex B and Annex C
Maximum Speed	30a: 100/100Mbps, 17a: 100/55Mbps	30a: 100/100Mbps, 17a: 100/55Mbps
UPBO / DPBO	- / -	- / -
Management	WEB / CLI / Console	Web, SSL, CLI, Console
SNMP	v1, v2c	V1 / V2c / V3, SNMP Trap
VLAN	Q-in-Q VLAN VLAN Pass-through	802.1Q / Q-in-Q / Port-based / GVRP
Spanning Tree Protocol	-	802.1d / 802.1s
Multicast	IGMP v2	IGMP Snooping v1 / v2, IGMP Querier
QoS	Port-based QoS	Port-CoS, DSCP-CoS
Port Security	-	●
Access Control List	L2 / L3 / L4	L3 / L4
802.1x Authentication	-	●
Dimensions (W x D x H)	436 x 320 x 50	440 x 220 x 44mm, 1U
Power	90-240V AC	100-240V AC
Redundant Power	Built-in -48V DC	-
Compatible PLANET CPE	VC-231, VC-234, VDR-300NU	VC-231, VC-234, VC-230, VC-230N

**VDSL2 Bridges / Routers / Switches**

Model	VC-231	VC-234	VDR-300NU	VC-201A	VC-202A
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Product Image

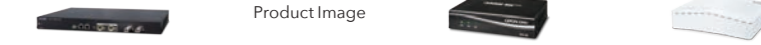


LAN port	1 x RJ-45, 10/100Mbps	1 x RJ-45, 10/100Mbps	4 X RJ-45, 10/100Mbps	4 x RJ-45, 10/100Mbps	1 x RJ-45, 10/100Mbps
VDSL Port	1 x RJ-11	1 x RJ-11	1 x RJ-11	1 x RJ-11	1 x BNC
Phone Port	1 x RJ-11 by Splitter	1 x RJ-11	1 x RJ-11 by Splitter	1 x RJ-11	-
VDSL Standard	ITU-T G.993.2 VDSL2				
VDSL Profile	17a, 30a	17a, 30a	17a, 30a	17a	17a
Maximum Speed (Downstream / Upstream)	100 / 100Mbps	100 / 100Mbps	100 / 100Mbps	100 / 60 Mbps	100 / 60 Mbps
Maximum Distance	1400m	1400m	1400M	1500m	3000m
Wireless AP	-	-	802.11 a/b/g/n	-	-
Port Mapping	-	-	-	-	-
Static Route	-	-	●	-	-
DHCP Server	-	-	●	-	-
DMZ	-	-	●	-	-
Virtual Server	-	-	●	-	-
NAT Firewall	-	-	●	-	-
UPnP	-	-	●	-	-
Web Manager	-	-	●	-	-
SPI Firewall	-	-	-	-	-
Port Filtering	-	-	-	-	-
IP Filtering	-	-	●	-	-
MAC Filtering	-	-	●	-	-
URL Filtering	-	-	●	-	-

**GEAPON OLT / GEAPON ONU**

Model	EPL-2000	Model	EPN-103	EPN-402NV
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Product Image



Transmission Speed	Downstream: 1.25 Gbps Upstream: 1.25 Gbps	Transmission Speed	Downstream: 1.25Gbps Upstream: 1.25Gbps	Downstream: 1.25Gbps Upstream: 1.25Gbps
Ethernet Port	2 x Gigabit SFP interface	Ethernet Port	1 x 10 / 100Mbps RJ-45 Port 1 x 10 / 100 / 1000Mbps RJ-45 Port	4 X 10 / 100Mbps RJ-45 Port
PON Port	2 x PON interface	PON Port	1 x PON interface with SC Type Connector	1 X PON interface with SC Type Connector
Console Port	-	Maximum Distance	20km	20km
Management Port	1 x 10/100 RJ-45 port	IEEE 802.3ah	●	●
Maximum Splits	64 per PON port	IEEE 802.3ah FEC	●	●
Maximum Distance	20km	OAM	●	●
IEEE 802.3ah	●	DBA	●	●
IEEE 802.3ah FEC	●	SLA	●	●
802.1Q VLAN	●	802.1Q VLAN	-	●
OAM	●	802.1p QoS	-	●
DBA	●	IGMP	IGMP Proxy	128-bit AES Encryption
SLA	●	MAC Filtering	●	802.1x Authentication
802.1Q VLAN	●	128-bit AES Encryption	●	Logical Link IDs (LLID)
802.1p QoS	-	802.1x Authentication	●	8
128-bit AES Encryption	-	Logical Link IDs (LLID)	256	MAC Address
MAC Filtering	●	Queues	-	64
802.1x Authentication	-	MAC Address	8K	Queues
Logical Link IDs (LLID)	256	Queues	-	Integrated Buffering
Queues	-	GUI Management	●	1.5MB
MAC Address	8K	ONU Management	●	Layer-2/3/4 Classification
Queues	-	Bandwidth Control	●	●
GUI Management	●	Internal MIB Counters	●	-
ONU Management	●			