

Product comparison

LANCOM Business VPN Routers



	LANCOM 1781EF+	LANCOM 1781VA	LANCOM 1781VAW	LANCOM 1781EW+	LANCOM IAP-4G+	1780EW-4G+	1640E
WAN							
WAN connection	Gigabit Ethernet, SFP	VDSL2 / ADSL2+	VDSL2 / ADSL2+	Gigabit Ethernet	LTE-Adv. / HSPA+ / UMTS	LTE-Adv. / HSPA+ / UMTS, Gigabit Ethernet	Gigabit Ethernet
Ports							
Ethernet ports	4 x GE switch, 1 x WAN, SFP	4 x GE switch	4 x GE switch	4 x GE switch, 1 x WAN	2 x Gigabit Ethernet	1 x Gigabit Ethernet, 1 x WAN, PoE based on IEEE 802.3at	3 x Gigabit Ethernet, 1 x WAN
ISDN S0 connection	■	■	■	■	–	–	–
Analog ports	–	–	–	–	–	–	–
VPN							
IPSec VPN channels	5 integrated / 25 optional	5 integrated / 25 optional	5 integrated / 25 optional	5 integrated / 25 optional	5 integrated / 25 optional	5 integrated / 25 optional	3 integrated
Wireless LAN							
Gross data rate	–	–	300 Mbps	450 Mbps	–	867 Mbps IEEE 802.11 ac / a / n	–
MIMO	–	–	2 x 2	3 x 3	–	2 x 2	–
Supported Wi-Fi standards	–	–	IEEE 802.11 a / b / g / n	IEEE 802.11 a / b / g / n	–	IEEE 802.11 ac / a / n	–
Features							
Load Balancing of multiple DSL connections	4 x	4 x	4 x	4 x	4 x	2 x	2 x
Advanced Routing + Forwarding	16 contexts	16 contexts	16 contexts	16 contexts	16 contexts	16 contexts	2 contexts
X.509 certificates / CRL & SCEP	■	■	■	■	■	■	■
IPv6 + IPv4 (dual stack)	■	■	■	■	■	■	■
Stateful inspection firewall, intrusion detection, Denial of Service Protection	■	■	■	■	■	■	■
SIP ALG	■	■	■	■	■	■	■
Dual SIM	–	–	–	–	–	–	–
VoIP functions							
ISDN analog gateway	–	–	–	–	–	–	–
ISDN SIP gateway	■ (with All-IP option)	■ (with All-IP option)	■ (with All-IP option)	■ (with All-IP option)	–	–	–
ISDN LANCAP1 2.0, CAPI fax modem	■	■	■	■	–	–	–
VoIP +10 Option	■ (with All-IP option)	■ (with All-IP option)	■ (with All-IP option)	■ (with All-IP option)	–	■	■
Integrated All-IP Option	–	–	–	–	–	–	■
Simultaneous ISDN voice channels	2 channels	2 channels	2 channels	2 channels	–	–	–
Software							
Software updates free of charge	■	■	■	■	■	■	■
Optional Content Filter	■	■	■	■	■	■	■
Optional hotspot functionality	■	■	■	■	■	■	■
Optional VPN upgrade	■	■	■	■	■	–	■
Optional WLC upgrade	■	■	–	–	■	–	■

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	1790-4G	1790VA	1790VAW	1790VA-4G
WAN				
WAN connection	Gigabit Ethernet, 1 x LTE-Adv	VDSL2 / ADSL2+ (Supervectoring)	VDSL2 / ADSL2+ (Supervectoring)	VDSL2 / ADSL2+ (Supervectoring), LTE-Adv. / HSPA+ / UMTS
Ports				
Ethernet ports	Gigabit Ethernet	4 x Gigabit Ethernet	4 x Gigabit Ethernet	4 x Gigabit Ethernet
ISDN S0 connection	–	–	–	–
Analog ports	–	–	–	–
VPN				
IPSec VPN channels	5 integrated / 25 optional	5 integrated / 25 optional	5 integrated / 25 optional	5 integrated / 25 optional
Wireless LAN				
Gross data rate	–	–	867 Mbps IEEE 802.11ac / a / n or 300 Mbps IEEE.802.11n	–
MIMO	–	–	2 x 2	–
Supported Wi-Fi standards	–	–	IEEE 802.11 ac / a / b / g / n	–
Features				
Load Balancing of multiple DSL connections	4 x	4 x	4 x	4 x
Advanced Routing + Forwarding	16 contexts	16 contexts	16 contexts	16 contexts
X.509 certificates / CRL & SCEP	■	■	■	■
IPv6 + IPv4 (dual stack)	■	■	■	■
Stateful inspection firewall, intrusion detection, Denial of Service Protection	■	■	■	■
SIP ALG	■	■	■	■
Dual SIM	–	–	–	–
VoIP functions				
ISDN analog gateway	–	–	–	–
ISDN SIP gateway	–	–	–	–
ISDN LANCAPI 2.0, CAPI fax modem	–	–	–	–
VoIP +10 Option	■	■	■	■
Integrated All-IP Option	–	–	–	–
Simultaneous ISDN voice channels	–	–	–	–
Software				
Software updates free of charge	■	■	■	■
Optional Content Filter	■	■	■	■
Optional hotspot functionality	■	■	■	■
Optional VPN upgrade	■	■	■	■
Optional WLC upgrade	■	■	–	■

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	LANCOM 1900EF	LANCOM 1906VA-4G	LANCOM 1906VA
WAN			
WAN connection	SFP / TP Combo, Gigabit Ethernet	2 x VDSL2 / ADSL2+, SFP / TP Combo, Gigabit Ethernet, LTE-Adv. / HSPA+ / UMTS	2 x VDSL2 / ADSL2+, SFP / TP Combo, Gigabit Ethernet
Ports			
Ethernet ports	4 x GE switch, 1 x WAN, 1 x SFP / TP Combo	4 x GE switch, 1 x WAN, 1 x SFP / TP Combo	4 x GE switch, 1 x WAN, 1 x SFP / TP Combo
ISDN S0 connection	–	1 x TE / NT, 1 x NT	1 x TE / NT, 1 x NT
Analog ports	–	4 x analog (internal) / fax	4 x analog (internal) / fax
VPN			
IPSec VPN channels	25 integrated / 50 optional	25 integrated / 50 optional	25 integrated / 50 optional
Wireless LAN			
Gross data rate	–	–	–
MIMO	–	–	–
Supported Wi-Fi standards	–	–	–
Features			
Load Balancing of multiple DSL connections	4 x	4 x	4 x
Advanced Routing + Forwarding	64 contexts	64 contexts	64 contexts
X.509 certificates / CRL & SCEP	■	■	■
IPv6 + IPv4 (dual stack)	■	■	■
Stateful inspection firewall, intrusion detection, Denial of Service Protection	■	■	■
SIP ALG	■	■	■
Dual SIM	–	■	–
VoIP functions			
ISDN analog gateway	–	■	■
ISDN SIP gateway	–	■	■
ISDN LANCAPI 2.0, CAPI fax modem	–	–	–
VoIP +10 Option	■	■	■
Integrated All-IP Option	■	■	■
Simultaneous ISDN voice channels	–	4 channels	4 channels
Software			
Software updates free of charge	■	■	■
Optional Content Filter	up to 500 users	up to 500 users	up to 500 users
Optional hotspot functionality	up to 256 users	up to 256 users	up to 256 users
Optional VPN upgrade	up to 50 VPN channels	up to 50 VPN channels	up to 50 VPN channels
Optional WLC upgrade	up to 30 Wi-Fi devices	up to 30 Wi-Fi devices	up to 30 Wi-Fi devices