



Specification

Hardware	<ul style="list-style-type: none"> CPU: Mindspeed Concerto 500, ARM9 dual core, 266MHz, DSP Unit for Voiceprocessing Memory: Onboard SDRAM 64MB Operating system: Linux 2.6.x with beronet firmware Lineinterfaces: can take two line interface modules , available modules are BF4S0 (4xBRI), BF1E1 (1xPRI) and BF2E1 (2xPRI) PCI 2.2 compliant, 3.3V , also fits in 5V slots but 3.3V needed. PCI express 1.0a compliant PCI/PCle interface: Realtek chipset RTL8139CL (PCI) and RTL8101E (PCle) Driver for Linux, Windows , BSD and MacOS available through your OS or Realtek Semiconductor Corp
ISDN	<ul style="list-style-type: none"> Up to 8 Ports BRI, up to 4 Ports PRI ISDN Lineinterfaces mixable (BRI/S0 + PRI/E1) Protocols: <ul style="list-style-type: none"> DSS-1 (L1,L2) Q.931 basic Q.SIG (CNIP/CNIR,COMP) Point to point (PTP) & point to multipoint (PTMP) BRI modes: TE and NT, switchable by software PRI modes: TE and NT
SIP	<ul style="list-style-type: none"> Useragent is compliant to IETF RFC3261 SIP over UDP and TCP* SRTTP: secure RTP* SIPS: SIP over TCP with TLS* Overlap dialing (SIP-INFO)
FAX and Data support	<ul style="list-style-type: none"> Fax processing through Mindspeed chipset: <ul style="list-style-type: none"> V.27 (4.8 Kbps and 2.4 Kbps) V.29 (9.6 Kbps and 7.2 Kbps) V.17 (14.4 Kbps – 7.2 Kbps) Fax over IP with T.38 fax relay Virtual modem software (t38modem) available for Linux and Windows RTP clear channel for transparent TDM transmission over IP PCM Bus:hardware bridging for transparent TDM transmission, 8.192 kB/s TDM bridging over multiple cards through PCM bus interconnection
Voiceprocessing	<ul style="list-style-type: none"> Voice codecs <ul style="list-style-type: none"> G.711u/A-law G.723.1 G.729a/b G.726 G.168/GI65 echo cancellation (128ms) patented dynamic jitterbuffer with packet loss concealment Call progress tone detection/generation DTMF digit detection Voice activity detection / comfort noise generation Fax detection Transparent TDM through RTP clear channel or PCM hardware bridging
Management	<ul style="list-style-type: none"> Web based GUI CLI interface accessible through Telnet HTTP based API for integration Diagnostic tools on board Firmware upgradable through Web GUI Autoprovisioning*
Call routing	<ul style="list-style-type: none"> Integrated call routing dialplan configurable through web GUI: SIP->ISDN, ISDN->SIP, ISDN->ISDN
Power and packaging	<ul style="list-style-type: none"> Dimensions of the base board: W 167x H 9,85x D 15mm Weight: <ul style="list-style-type: none"> Baseboard: 110g BF4S0: 28g BF1E1: 25g BF2E1: 30g Power consumption: < 4W
Environment	<ul style="list-style-type: none"> Operating temperature: 0-70°C
Compliance	<ul style="list-style-type: none"> CE (EN 55 022, EN 55 024, EN 60 950) TBR-3 (ISDN BRI) TBR-4 (ISDN PRI)

*available soon