

In this edition:

[Case Communications launch 8104 rugged router card](#)

[Case Communications launch a new range of extended temperature SFPs](#)

[Government 'committed' to open source](#)

[Universal broadband costs 'double'](#)

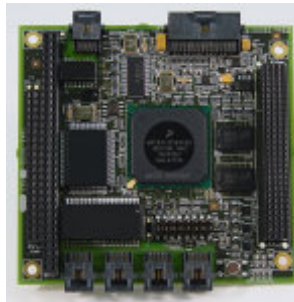
[Charlton Down broadband row](#)

[School technology grants cut by £100m](#)

Welcome

Welcome to the Case Communications September 2010 Newsletter.

Case Communications launch 8104 rugged router card



Case Communications are pleased to announce that they have launched their new 8104 extended temperature router.

The 8104 is supplied in a PC104 plus format, with 5 x Ethernet ports, advanced routing capabilities, quality of service and operates from a 5 volt power supply without fans from -40°C to +80°C.

The Case Communications 8104 and has been designed to replace Cisco 3200s.

[Read more...](#)

Case Communications launch a new range of extended temperature SFPs

Case Communications are pleased to announce that they have launched a new range of SFP's operating from -40c to +85c, with distances from 2km to 110km.

[Read more...](#)

Government 'committed' to open source

Open source software will be favoured where there are no significant cost differences between open source and proprietary solutions, Cabinet Office minister Francis Maude has said.

[Read more...](#)

Universal broadband costs 'double'

The cost of delivering universal basic broadband across the UK will be at least double previous estimates, communications minister Ed Vaizey has said.

[Read more...](#)

Charlton Down broadband row

Villagers are becoming increasingly frustrated with BT after a communication breakdown hit residents.

[Read more...](#)

Feedback

Tell us your thoughts

If you have something interesting to say or comments about the newsletter, please feel free to email them to us: [Email feedback/Enquiry](#)

School technology grants cut by £100m

The government's Harnessing Technology grant is to be reduced by £100m schools minister Nick Gibb has said.

[Read more...](#)

September 2010

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Key features of the 8104

- PC 104 -plus card format
- Designed to operate from -40°C to +80°C
- Ethernet ports - 5 x 10/100Mbps
- Routing - RIPv2, OSPFv2, BGP4
- Conformal coating option
- Operates from +5v power supply
- Less than 10 watts consumption

Hardware specifications

- Ethernet ports auto & manual negotiate
- PC104 Plus (V 2.3)
- CPU Freescale - 8314
- FLASH
- RAM
- MTBF in excess of 290,000 hours
- Weight 0.25kg

Certification

- Conforms to MIL-STD 810F method 500.4 Proc I for transportation.
- 99/5/EC - Radio and telecommunications
- 2002/96/EC (WEEE)
- 2002/95/EC - (ROHS)
- 2006/95/EC - Low Voltage Directive
- 2004/108/EC - Electromagnetic Compatibility Directive

Emissions

- BS EN 55022:2006 + Amendment A1:2007

Immunity/Susceptibility

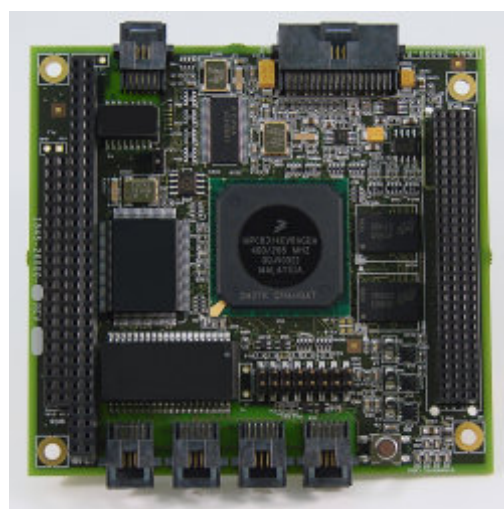
- BS EN 55024:1998 + Amendment A1 & A2:2003
- EN 61000-4-2:1995

Power- and Signal Line Transient

- EN 61000-4-4:1995

Conducted Susceptibility, Surge Immunity

- EN-61000-4-5:1995



Radiated Susceptibility

- EN 61000-4-3:1996

Software Specifications

Routing

- IPv4 as defined in RFC 791
- BGPv4 as defined in RFC 4271
- OSPFv2 as defined in RFC 2328
- RIPv2 as defined in RFC 2453

Management

- SNMPv3 (RFC 3411- RFC 3418)
- SSHv2 RFC 4251, RFC 4252, RFC 4253 with RSA keypairs.

Other features

- DSCP as defined in RFC 2475
- FTP as defined in RFC 959 (client)
- TFTP as defined in RFC 1350 (Client)
- IGMPv2 as defined in RFC 2236
- Independent Multicast Dense Mode (PIM-DM) as defined in RFC 3973
- Independent Multicast Sparse Mode (PIM-SM) RFC 2362
- DHCP as defined in RFC 2131
- ICMP as defined in RFC 1122

QoS and Packet Flow features

- Access Control Lists to enable:
- Filtering of IP packets by source IP address
- Filtering of IP packets by destination IP address
- Filtering of IP packets by Protocol
- Filtering of RIP packet updates, inbound and outbound
- Packet flow 'SHAPING' function based on DSCP
- Traffic shaping on a per port basis to rates from 100Mbps down to 24kbps in at most 1kbps intervals.
- Packet flow 'POLICING' function based on DSCP
- Remarking of routed packets with a configurable DSCP value.

For more information on our range of networking products, please contact [Marketing](#).

[Top](#)

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- [Welcome/Index](#)
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- [Charlton Down broadband row](#)
- [School technology grants cut by £100m](#)

September 2010

Case Communications launch a range of extended temperature SFPs

Case Communications are pleased to announce the launch of their new range of extended temperature short form pluggable (SFP) modules for use in Ethernet switches and routers.

The SFPs are supplied in two formats standard temperatures range which goes from 0°C to +70°C and the wide temperature range which goes from -40°C to +85°C

Typical Applications for the SFPs are:

- Distributed multi-processing
- Switch to switch interface
- High-speed I/O for file server
- Bus extension application
- Channel extender, data storage
- Extended temperature version -40°C to +85°C

More information on Case SFPs



Part Number	Interface	Gigabit Ethernet	Fibre Channel	Fibre	Wave	Range	Max Tx Pwr	Min Rx Pwr
GE-MM-2K-1310	1000Base SX+	IEEE 802.3z	100-M5-SN-I 100-M6-SN-I	MM	1310nm	1km 2km	-1dbm	-19dbm
GE-SM-10K-1310	1000Base LX	IEEE 802.3z	100-SM-LC-L	SM	1310nm	10km	-3dbm	-20dbm
GE-SM-30K-1310	1000Base LX	IEEE 802.3z	100-SM-LL-L	SM	1310nm	30km	+1dbm	-24dbm
GE-SM-30K-1550	1000Base LX	IEEE 802.3z	100-SM-LL-L	SM	1550nm	30km	-3dbm	-21dbm
GE-SM-50K-1550	1000Base XD	IEEE 802.3z	100-SM-LL-L	SM	1550nm	50km	+1dbm	-24dbm
GE-SM-70K-1550	1000Base ZX	IEEE 802.3z	100-SM-LL-L	SM	1550nm	70km	+5dbm	-24dbm
GE-SM-110K-1550	1000Base EZX	IEEE 802.3z	100-SM-LL-L	SM	1550nm	110km	+5dbm	-30dbm

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[Top](#)



Case, Dowly-Case, Cray, Case Technology Legacy Products

NEWSLETTER

September 2010

Government committed to open source

Cabinet Office minister Francis Maude has said open source software will be favoured where there are no significant cost differences between open source and proprietary solutions.

Responding to a parliamentary question Maude went on to say, "The Cabinet Office and the Office of Government Commerce are working on 'guidance for procurers', which specifically covers open source software."

He said: "A key principle is that government will actively and fairly consider open source solutions alongside proprietary ones in making procurement decisions."

Maude stated: "The government are committed to using more open source solutions where possible."

He said that procurement decisions would be based on best value for money. But where costs are not significantly different Maude said "open source will be selected on the basis of its additional inherent flexibility".

[Top](#)

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Other newsletters:

- [Newsletter Archive](#)

September 2010

Universal broadband costs 'double'

Communications minister Ed Vaizey has said that the cost of delivering universal basic broadband across the UK will be at least double previous estimates.

Responding to a question from Stephen Timms on how much the government estimates the Labour government's policy of providing universal access to basic broadband was underfunded, Vaizey said costs would be "at least double".

He said: "We estimate the cost of meeting the Universal Service Commitment would be at least double the funds identified by the previous administration and discussions with industry indicate that the shortfall may be even greater."

In August, David Harrington, head of regulatory affairs for the Communication Management Association told publicservice.co.uk that further clarity was needed from government in terms of how it plans to fund broadband improvement.

Harrington said: "The problem is that no political party has got to grips with what it is going to cost and how quickly it can be done."

The government has also said that Britain will have the best superfast broadband network in Europe by 2015.



[Top](#)

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September 2010

Charlton Down broadband row

Villagers are becoming increasingly frustrated with BT after a communication breakdown hit residents.

The village hall in Charlton Down has been without a broadband connection for three weeks and a number of residents have experienced phone and internet failures recently.

Trustee of Herrison Hall Vincent Haslam said the broadband connection at the site had been unreliable since it was installed by BT in April and recently they have had no line at all.

He said he also believed 64 people had also lost phone connection when a hub in the village experienced problems last week and he knew of 25 residents who had lost their internet.



Mr Haslam explained that Charlton Down was on a different internet system to the surrounding area, with a series of 'de-slam cabinets' around the village providing internet to homes rather than a connection to the Dorchester exchange.

He said the village's long-awaited broadband connection was introduced using this system after it proved a success in Aberdeen.

However, Mr Haslam said since the hall signed up to BT in April it has experienced endless problems with the internet connection.

He said for the first six weeks there was no signal and when they eventually did manage to get connected the signal kept dropping.

Mr Haslam said BT sent out a new router but since that has been installed they have not had any connection and, despite six engineers visiting in the last few days, they are still not back online.

He said: "We have now gone for three-and-a-half months without a proper signal. This place is quite expensive to run and we take bookings from people for teaching who have been told we have got broadband.

It's a fair disaster all round."

Village hall chairman and honorary secretary Crayston Lee, who lives in Deverel Road, said he had lost both internet and phone connection at his home for several days.

He said: "We had a total complete crash on the Thursday morning and the phone didn't come back till the Monday and the internet the day after."

Jan Rousell, who lives in Chestnut Road, said she has been without broadband for two weeks.

She said: "I've been on to BT everyday and it's just driving us mad. We have got to the stage where we are going to write to head office. We didn't realise how much we use it until it's not there."

Parish council clerk Sarah Davies said her phone was down for three days but she had not had any internet problems.

Village shop manager Ian Jones said he was aware of a number of locals who were becoming frustrated with BT.

A spokesman for BT said: "We are aware of technical systems problems which are affecting a small number of customers at Charlton Down. We are working to restore services to effected customers as quickly as possible.

"Any customers who have experienced problems should contact their service provider."

September 2010

School technology grant cut by £100m

The grant was set up for schools to "harness technology" like computers and the internet in order to respond to the needs of children, young people and parents.



Responding to a parliamentary question from Tom Blenkinsop, Gibb said: "The Harnessing Technology grant is being reduced by £100m in the current financial year." Gibb said that £50m of the reduction has been used to provide capital for "Free Schools". Christine Blower, general secretary of the National Union of Teachers, told publicservice.co.uk: "It is wrong to divert scarce resources from existing projects to fund the untried and untested Free Schools programme."

She added: "It is unacceptable that government is raiding funding for schools to prop up the Free Schools programme."

Gibb also explained where the other reductions in the programme came from. He said: "A further £50m is the result of the 5 July announcement on End Year Flexibility (EYF), and is to address inherited spending commitments for 2010-11, where funding was reliant on under-spends through the EYF system or additional

funding from the reserve."

[Top](#)

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- [Welcome/Index](#)
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